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CARREL-ELECTRADE LTD
not just products... solutions!

Carrel Electrade Limited is a New Zealand Owned and operated Manufacturer and Distributor of a wide range of industrial electrical control and monitoring componentry. Not just another foreign owned Branch Office, we are here to offer local solutions to local problems. With a long history of experience meeting the demands of New Zealand Industry, the company supports values such as service, dependability and reliability coupled with engineering competency, ingenuity, and innovation. We believe our advantage is or originality and customised manufacturing flexibility.

We are New Zealand's only manufacturer of analogue panel instruments, timber Moisture Meters and Electrical Transducers. Specialised staff in our switchboard meter scaling department offer the highest level of professional standards and have decades of experience that is now combined with an ability to print scales in volume. This means we can understand and deliver the solutions you need.

Our LP series and older T series Transducers, not only have a long history of reliable service to New Zealand industry, but are sought-after in overseas markets for their accuracy, robustness, and ability to be customised. Constant development via circuit design and discreet component upgrades are ongoing.

The R-ELT range of Emergency Light Test Timers have been a great local success in commercial and industrial installations. The R-ISW range of Current Sensing relays have been a popular choice for apartment buildings, Residential Care Homes and Retirement Villages. The EWS range of locally manufactured audible alarms have been adapted for use as a Tsunami Warning system and other industrial applications.

We also offer an extensive and complimentary range of internationally recognised brands of imported industrial components recognised throughout New Zealand and the world.

In addition to standard products, we collaborate closely with our customers to develop specialised equipment to meet their needs. These projects may involve the adaption of standard product or development of devices. Carrel Electrade can offer not just products but solutions.

Carrel Electrade Limited.
Proudly 100% New Zealand owned and operated.

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FINDER 38 Series - INTERFACE RELAYS 6mm DIN Rail mount with integral LED & replaceable relay

38.01-024-AC	RELAY MODULE,1CO 16A@250VAC, 24VAC/DC	$	72.10
38.01-024-DC	RELAY MODULE,1CO 16A@250VAC, 24VDC	$	56.50
38.01-240-AC	RELAY MODULE,1CO 16A@250VAC, 240VAC	$	77.40
38.31-024-9024	SSR RELAY MODULE, OUTPUT 5A @24VDC, 24VDC CONTROL	$	112.40
38.51-006-DC	RELAY MODULE,1CO 6A@250VAC, 6VDC (38.51.7.006.0050)	$	46.80
38.51-012-DC	RELAY MODULE,1CO 6A@250VAC, 12VDC (38.51.7.012.0050)	$	46.80
38.51-024-AC	RELAY MODULE,1CO 6A@250VAC, 24VAC/DC (38.51.0.024.0060)	$	46.80
38.51-024-DC	RELAY MODULE,1CO 6A@250VAC, 24VDC (38.51.7.024.0050)	$	46.80
38.51-024DC-5050	RELAY MODULE,1CO 6A@250VAC AgNi+Au, 24VDC (38.51.7.024.5050)	$	50.70
38.51-048-AC	RELAY MODULE,1CO 6A@250VAC, 48VAC/DC (38.51.0.048.0060)	$	50.60
38.51-048-DC	RELAY MODULE,1CO 6A@250VAC, 48VDC (38.51.7.048.0050)	$	46.80
38.51-110-AC	RELAY MODULE,1CO 6A@250VAC, 110VAC/DC (38.51.0.125.0060)	$	56.60
38.51-110AC-SUPP	RELAY MODULE,1CO 6A@250VAC, 110VAC LEAK SUPPRESSED (38.51.3.125.060)	$	82.20
38.51-240-AC	RELAY MODULE,1CO 6A@250VAC, 240VAC (38.51.8.240.0060)	$	56.60
38.51-240AC-5060	RELAY MODULE,1CO 6A@250VAC AgNi+Au, 240VAC/DC AU/FLASHED (38.51.0.240.5060)	$	64.20
38.51-240AC-SUPP	RELAY MODULE,1CO 6A@250VAC AgNi, 240VAC LEAK SUPPRESSED (38.51.3.240.0060)	$	82.20
38.52-012-DC	RELAY MODULE, 2CO 6A@250VAC, 12VDC	$	57.40
38.52-024-AC	RELAY MODULE, 2CO 6A@250VAC, 24AC/DC	$	73.50
38.52-024-DC	RELAY MODULE, 2CO 6A@250VAC, 24VDC	$	57.40
38.52-110-AC	RELAY MODULE, 2CO 6A@250VAC, 110VAC/DC	$	78.90
38.52-240-AC	RELAY MODULE, 2CO 6A@250VAC, 240VAC	$	78.90
38.61-012-AC	RELAY MODULE, SPRING CLAMP, 1CO 6A@250VAC, 12VAC/DC(0060)	$	49.20
38.61-024-AC	RELAY MODULE, SPRING CLAMP, 1CO 6A@250VAC, 24VAC/DC (0060)	$	49.20
38.61-024-DC	RELAY MODULE, SPRING CLAMP, 1CO 6A@250VAC, 24VDC	$	49.20
38.61-240-AC	RELAY MODULE, SPRING CLAMP, 1CO 6A@250VAC, 240VAC	$	58.90
38.61-240AC-SUPP	RELAY MODULE, SPRING CLAMP, 1CO 6A@250VAC AgNi, 240VAC, LEAK SUPPRESSED	$	89.90
38.81-006-DC	SSR RELAY MODULE, 6VDC CONTROL, OUTPUT 6A@24VDC	$	92.10
38.81-024-DC	SSR RELAY MODULE, 24VDC CONTROL, OUTPUT 6A@24VDC	$	92.10
38.81-230VAC/230VAC	SSR RELAY MODULE, 240VAC CONTROL, OUTPUT 2A@240VAC	$	100.70
38.81-24DC/240VAC	SSR RELAY MODULE, OUTPUT 2A@240VAC, 24VDC CONTROL (38.81.7.024.8240)	$	95.80
38.81-24DC/48VDC	SSR RELAY MODULE, OUTPUT 0.1A@48VDC, 24VDC CONTROL, (38.81.7.024.7048)	$	86.40
38.91-024-DC	SSR RELAY MODULE, OUTPUT 6A@24VDC, 24VDC CONTROL, SPRING CLAMP 38.91.7.024.9024	$	95.80
38.91-24DC/240VAC	SSR RELAY MODULE, OUTPUT 6A@240VAC, 24VDC CONTROL, SPRING CLAMP	$	99.60

FINDER 38/39 Series REPLACEMENT RELAY MODULES

34.51-005-DC	RELAY MODULE FOR 38/39 SERIES - 5VDC (34.51.7.005.0010)	$	25.80
34.51-012-DC	RELAY MODULE FOR 38/39 SERIES - 12VDC (34.51.7.012.0010)	$	25.80
34.51-024-DC	RELAY MODULE FOR 38/39 SERIES - 24VDC (34.51.7.024.0010)	$	25.80
34.51-024DC-4010	RELAY MODULE FOR 38/39 SERIES - 24VDC AgSnO2 CONTACTS (34.51.7.024.4010)	$	25.80
34.51-024DC-5010	RELAY MODULE FOR 38/39 SERIES - 24VDC AU/FLASHED (34.51.7.024.5010)	$	25.80
34.51-060-DC	RELAY MODULE FOR 38/39 SERIES - 60VDC (34.51.7.060.0010)	$	25.80
34.51-060DC-4010	RELAY MODULE FOR 38/39 SERIES - 60VDC AgSnO2 CONTACTS (34.51.7.060.4010)	$	25.80
34.81-005-DC	SSR MODULE FOR 38/39 SERIES 5VDC/24VDC (34.81.7.005.9024)	$	61.00
34.81-012-DC	SSR MODULE FOR 38/39 SERIES 12VDC/24VDC (34.81.7.012.9024)	$	61.00
34.81-024-DC	SSR MODULE FOR 38/39 SERIES 6A 24VDC/24VDC (34.81.7.024.9024)	$	61.00
34.81-024DC-240AC	SSR MODULE FOR 38/39 SERIES 24VDC/240VAC (34.81.7.024.8240)	$	64.50
34.81-060-DC	SSR MODULE FOR 38/39 SERIES 60VDC/24VDC (34.81.7.060.9024)	$	61.00
41.52-012-DC	RELAY, 2CO 8A@250VAC FOR USE WITH 38.52 RELAY MODULE, 12VDC COIL	$	31.90
41.52-024-DC	RELAY, 2CO 8A@250VAC FOR USE WITH 38.52 RELAY MODULE, 24VDC COIL	$	31.90
41.52-024DC-5010	RELAY, 2CO 8A@250VAC AU FLASHED, FOR USE WITH 38.52 RELAY MODULE, 24VDC COIL	$	31.90
41.52-110-DC	RELAY, 2CO 8A@250VAC FOR USE WITH 38.52 RELAY MODULE, 110VDC COIL	$	31.90

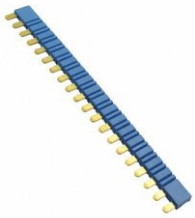
FINDER 38 SERIES RELAY BASES

93.01.0.024	BASE FOR 38 SERIES I/F RELAY 12/24VAC/DC	$	34.60
93.01.0.125	BASE FOR 38 SERIES I/F RELAY 110VAC	$	34.60
93.01.0.240	BASE FOR 38 SERIES I/F RELAY 240VAC/DC	$	34.60
93.01.7.024	BASE FOR 38 SERIES RELAY 6/12/24/48VDC	$	34.60
93.02.7.024	BASE FOR 38.52 SERIES DP 6/12/24/48VDC	$	41.70
93.21-024	TIMER BASE FOR 38 SERIES 12-24VAC/DC 93.21-0-024	$	94.60

FINDER 38 SERIES SPACERS AND TAGS

093.01 SPACER	SPACER-SEPARATOR FOR 38 SERIES RELAYS	$	3.70
093.48 TAG	ID TAG FOR 38.51/61/81/91 SERIES RELAYS (48 per SHEET)	$	22.70

FINDER 38 SERIES JUMPER LINKS



09308-BUS	JUMPER LINK 8-WAY FOR 38.52 RELAYS	$	10.30
09320-BLACK	JUMPER LINK 20-WAY FOR 38 SERIES (093.20.0) - BLACK	$	11.10
09320-BLUE	JUMPER LINK 20-WAY FOR 38 SERIES (093.20) - BLUE	$	11.10
09320-RED	JUMPER LINK 20-WAY FOR 38 SERIES (093.20.1) - RED	$	11.10

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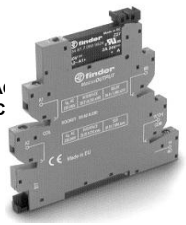
FINDER 39 Series - INTERFACE RELAYS 6mm DIN Rail mount with integral LED & replaceable relay

MASTER SERIES electromechanical relay for general applications, 6.2mm wide



39.11-012-AC/DC	MasterBASIC INTERFACE RELAY, 1CO 6A@250VAC, 12VAC/DC	$	43.10
39.11-024-AC/DC	MasterBASIC INTERFACE RELAY, 1CO 6A@250VAC, 24VAC/DC	$	43.10
39.20-024-DC	MasterOUTPUT SSR 24VDC, 6A@24VDC LOAD	$	93.00
39.20-230-AC	MasterOUTPUT SSR 230VAC, 2A@24VDC LOAD	$	98.10
39.20-230VAC/230VAC	MasterOUTPUT SSR 230VAC, 2A@230VAC LOAD	$	98.10
39.20-24VDC/230VAC	MasterOUTPUT SSR 24VDC, 2A@230VAC LOAD	$	98.10
39.21-012-AC/DC	MasterOUTPUT RELAY 1NO 6A@250VAC, 12VAC/DC	$	43.20
39.21-024-AC/DC	MasterOUTPUT RELAY 1NO 6A@250VAC, 24VAC/DC	$	43.20
39.21-125-AC/DC	MasterOUTPUT RELAY 1NO 6A@250VAC, 110-125VAC/DC	$	57.00
39.21-230-AC	MasterOUTPUT RELAY 1NO 6A@250VAC, 230VAC	$	57.00
39.30-024-DC	MasterPLUS SSR 24VAC/DC, 6A@ 24VDC LOAD, FUSABLE	$	93.00
39.30-230-AC	MasterPLUS SSR 230VAC/, 2A@230VAC LOAD, FUSABLE	$	98.10
39.30-230VAC/230VAC	MasterPLUS SSR 24-230VAC/DC, 2A@230VAC LOAD, FUSABLE	$	98.10
39.30-24VDC/230VAC	MasterPLUS SSR 24V/DC, 2A@230VAC LOAD, FUSABLE	$	98.10
39.31-006-AC/DC	MasterPLUS RELAY,1CO 6A@250VAC, FUSABLE, 6VAC/DC	$	48.60
39.31-012-AC/DC	MasterPLUS RELAY,1CO 6A@250VAC, FUSABLE,12VAC/DC	$	43.20
39.31-125-AC/DC	MasterPLUS RELAY,1CO 6A@250VAC, FUSABLE, 110-125VAC/DC FUSABLE	$	57.00
39.31-230-AC	MasterPLUS RELAY,1CO 6A@250VAC, FUSABLE, 230VAC	$	86.50
39.31-24-240AC/DC	MasterPLUS RELAY,1CO 6A@250VAC, FUSABLE, 24-240VAC/DC	$	86.50

MasterINPUTS Electromechanical Relay Interface

for Sensors etc and controllers or PLCS,with optional fuse module (20 x 5mm) up to 2A with visible fuse condition window

39.40-024-DC	MasterINPUT SSR 24VAC/DC, 6A@24VDC LOAD, 3 TERMINAL INPUT	$	98.10
39.40-230-AC	MasterINPUT SSR 230VAC, 2A@240VAC LOAD, 3 TERMINAL INPUT	$	98.10
39.40-230VAC/230VAC	MasterINPUT SSR 230VAC, 2A@240VAC LOAD, 3 TERMINAL INPUT	$	101.80
39.40-24VDC/230VAC	MasterINPUT SSR 24VDC, 2A@240VAC LOAD, 3 TERMINAL INPUT	$	101.80

MasterINPUTS Electromechanical Relay Interface

for Sensors etc and controllers or PLCS,with optional fuse module (20 x 5mm) up to 6A with visible fuse condition window

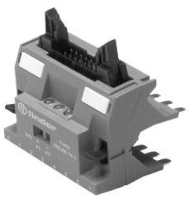
39.41-012-AC/DC	MasterINPUT RELAY, 1CO 6A@250VAC AU CONTACT, 12VAC/DC	$	52.50
39.41-024-AC/DC	MasterINPUT RELAY, 1CO 6A@250VAC AU CONTACT, 24VAC/DC	$	52.50
39.41-125-AC/DC	MasterINPUT RELAY, 1CO 6A@250VAC AU CONTACT, 110 VAC/DC	$	66.20
39.41-230-AC	MasterINPUT RELAY, 1CO 6A@250VAC AU CONTACT, 230VAC	$	66.20

MasterINPUTS Electromechanical Relay Interface

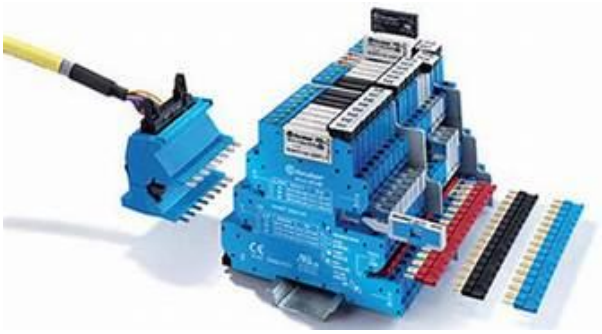
0.1s - 6hr, 6.2mm wide, with optional fuse module (20 x 5mm) up to 6A featuring visible fuse condition window, accepts 34.51 electromechanical relay or 34.81 solid state relay

93.68-024	MasterTIMER BASE FOR 39 SERIES 24VAC/DC, SPDT 6A	$	86.80

MasterINTERFACE accessories



093.68.14-CONN	MasterADAPTOR 8-WAY CONNECTOR	$	84.60
093.16	JUMPER LINK 16-WAY FOR 39 SERIES RELAYS - BLUE	$	11.00
093.16.0	JUMPER LINK 16-WAY FOR 39 SERIES RELAYS - BLACK	$	11.00
093.16.1	JUMPER LINK 16-WAY FOR 39 SERIES RELAYS - RED	$	11.00
093.48 TAG	ID TAG FOR 38.51/61/81/91 SERIES RELAYS (48 per SHEET)	$	22.70
093.60 SPACER	SPACER/SEPARATOR FOR 39 SERIES RELAY	$	5.30
093.63-FUSE	FUSE CARRIER FOR MasterPLUS RELAYS	$	13.40
093.63.0.024	FUSE CARRIER FOR MasterPLUS RELAYS WITH LED INDICATOR	$	17.40
060.72-TAG	ID TAGS FOR 38/39 SERIES, 72 PER SHEET	$	32.40
34.51-005-DC	RELAY MODULE FOR 38/39 SERIES - 5VDC (34.51.7.005.0010)	$	25.80
34.51-012-DC	RELAY MODULE FOR 38/39 SERIES - 12VDC (34.51.7.012.0010)	$	25.80
34.51-024-DC	RELAY MODULE FOR 38/39 SERIES - 24VDC (34.51.7.024.0010)	$	25.80
34.51-060-DC	RELAY MODULE FOR 38/39 SERIES - 60VDC (34.51.7.060.0010)	$	25.80
34.81-005-DC	SSR MODULE FOR 38/39 SERIES 5VDC/24VDC (34.81.7.005.9024)	$	61.00
34.81-012-DC	SSR MODULE FOR 38/39 SERIES 12VDC/24VDC (34.81.7.012.9024)	$	61.00
34.81-024-DC	SSR MODULE FOR 38/39 SERIES 6A 24VDC/24VDC (34.81.7.024.9024)	$	61.00
34.81-024DC-240AC	SSR MODULE FOR 38/39 SERIES 24VDC/240VAC (34.81.7.024.8240)	$	64.50
34.81-060-DC	SSR MODULE FOR 38/39 SERIES 60VDC/24VDC (34.81.7.060.9024)	$	61.00



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FINDER 40 Series - PLUG-IN RELAYS

40 Series Slimline Relays – Base/PCB Mounting

40.31-006-DC	RELAY 1CO 10A@250VAC, 6VDC COIL	$	19.10
40.31-012-AC	RELAY 1CO 10A@250VAC,12VAC COIL	$	19.10
40.31-012-DC	RELAY 1CO 10A@250VAC,12VDC COIL	$	19.10
40.31-024-AC	RELAY 1CO 10A@250VAC, 24VAC COIL	$	19.10
40.31-024-DC	RELAY 1CO 10A@250VAC, 24VDC COIL	$	19.10
40.31-048-AC	RELAY 1CO 10A@250VAC, 48VAC COIL	$	19.10
40.31-048-DC	RELAY 1CO 10A@250VAC, 48VDC COIL	$	19.10
40.31-110-AC	RELAY 1CO 10A@250VAC,110VAC COIL	$	22.40
40.31-110-DC	RELAY 1CO 10A@250VAC,110VDC COIL	$	22.40
40.31-240-AC	RELAY 1CO 10A@250VAC, 240VAC COIL	$	22.40
40.51-009-DC	RELAY 1CO 10A@250VAC, 9VDC COIL	$	19.10
40.51-024-AC	RELAY 1CO 10A@250VAC, 24VAC COIL	$	22.40
40.51-024-DC	RELAY 1CO 10A@250VAC, 24VDC COIL	$	19.10
40.51-110-DC	RELAY 1CO 10A@250VAC,110VAC COIL	$	22.40
40.52-012-AC	RELAY 2CO 8A@250VAC,12VAC COIL	$	19.10
40.52-012-DC	RELAY 2CO 8A@250VAC,12VDC COIL	$	19.10
40.52-018-DC	RELAY 2CO 8A@250VAC,18VDC COIL	$	19.10
40.52-024-AC	RELAY 2CO 8A@250VAC, 24VAC COIL	$	19.10
40.52-024-DC	RELAY 2CO 8A@250VAC, 24VDC COIL	$	19.10
40.52-024DC-5000	RELAY 2CO 8A@250VAC, AU FLASHED CONTACT, 24VDC COIL	$	32.10
40.52-048-AC	RELAY 2CO 8A@250VAC, 48VAC COIL	$	19.10
40.52-048-DC	RELAY 2CO 8A@250VAC, 48VDC COIL	$	19.10
40.52-110-AC	RELAY 2CO 8A@250VAC, 110VAC COIL	$	24.00
40.52-110-DC	RELAY 2CO 8A@250VAC, 110VDC COIL	$	24.00
40.52-120-AC	RELAY 2CO 8A@250VAC, 120VAC COIL	$	24.00
40.52-240-AC	RELAY 2CO 8A@250VAC, 240VAC COIL	$	24.00
40.52-4.5-DC	RELAY 2CO 8A@250VAC, 4.5VDC COIL	$	19.10
40.61-012-AC	RELAY 1CO 16A@250VAC,12VAC COIL	$	19.10
40.61-012-DC	RELAY 1CO 16A@250VAC,12VDC COIL	$	19.10
40.61-014-DC	RELAY 1CO 16A@250VAC,14VDC COIL	$	19.10
40.61-024-AC	RELAY 1CO 16A@250VAC, 24VAC COIL	$	19.10
40.61-024-DC	RELAY 1CO 16A@250VAC, 24VDC COIL	$	19.10
40.61-024DC-4000	RELAY 1CO 16A@250VAC AgSn02, 24VDC COIL	$	19.10
40.61-230-AC	RELAY 1CO 16A@250VAC, 230VAC COIL	$	22.40
40.61BI-012-DC	RELAY, BISTABLE,1CO 16A@250VAC,12VDC COIL	$	25.70
41.52-012-DC	RELAY, 2CO 8A@250VAC FOR USE WITH 38.52 RELAY MODULE, 12VDC COIL	$	31.90
41.52-024-DC	RELAY, 2CO 8A@250VAC FOR USE WITH 38.52 RELAY MODULE, 24VDC COIL	$	31.90
41.52-024DC-5010	RELAY, 2CO 8A@250VAC AU FLASHED, FOR USE WITH 38.52 RELAY MODULE, 24VDC COIL	$	31.90
41.52-110-DC	RELAY, 2CO 8A@250VAC FOR USE WITH 38.52 RELAY MODULE, 110VDC COIL	$	31.90
41.61.9.048.0311	PCB RELAY, LOW-PROFILE, 1NO16A@250VAC,48VDC COIL	$	31.90
41.61-012-DC	PCB RELAY, LOW-PROFILE,1CO16A@250VAC,12VDC COIL	$	31.90
41.61-024-DC	PCB RELAY, LOW-PROFILE,1CO16A@250VAC, 24VDC COIL	$	31.90
41.61-024DC-4010	PCB RELAY, LOW-PROFILE, 1CO16A@250VAC AgSnO2, 24VDC COIL	$	40.30
41.61-110-DC	PCB RELAY, LOW-PROFILE, 1CO16A@250VAC,110VDC COIL	$	31.90
41.81-024-DC	SSR MODULE 5A 24VDC/24VDC, FOR RELAY FOR 38.31	$	65.50

40 Series Bases

BASE95-03	BASE, DIN RAIL FOR 40.31 RELAYS - 3mm PITCH	$	17.50
BASE95-05	BASE, DIN RAIL FOR 40.52, 40.61 AND 50.12 RELAYS - 5mm PITCH	$	17.50
BASE95-13	BASE, PCB MOUNT FOR 40.31 RELAYS	$	4.90
BASE95-15	BASE, PCB MOUNT FOR 40.52 AND 40.61 RELAYS	$	4.90

FINDER 46 Series Slimline Relays – Lockable Test Button and LED Indication (G2R Equivalent)

46.52-012-AC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 12VAC COIL	$	29.80
46.52-012-DC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC,12VDC COIL	$	29.80
46.52-024-AC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 24VAC COIL	$	29.80
46.52-024AC-5054	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 24VAC COIL	$	29.80
46.52-024-DC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 24VDC COIL	$	30.50
46.52-024DC-5074	RELAY, MECH INDICATOR, TEST BUTTON, 2CO 8A@250VAC, 24VDC COIL	$	29.80
46.52-048-AC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 48VAC COIL	$	30.50
46.52-048-DC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 48VDC COIL	$	30.50
46.52-110-AC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 110VAC COIL	$	32.20
46.52-110-DC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 110VDC COIL	$	30.50
46.52-230-AC	RELAY, LED & TEST BUTTON, 2CO 8A@250VAC, 230VAC COIL	$	38.00
46.61-012-AC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 12VAC COIL	$	29.80
46.61-012-DC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 12VDC COIL	$	29.80
46.61-012DC-5074	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 12VDC COIL	$	29.80
46.61-024-AC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 24VAC COIL	$	29.80
46.61-024-DC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 24VDC COIL	$	29.80
46.61-024DC-5074	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 24VDC COIL	$	29.80
46.61-048-AC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 48VAC COIL	$	29.80
46.61-048-DC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 48VDC COIL	$	29.80
46.61-110-AC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC,110VAC COIL	$	29.80
46.61-230-AC	RELAY, LED & TEST BUTTON, 1CO 16A@250VAC, 230VAC COIL	$	34.40

46 Series Bases

BASE97-01	BASE, DIN RAIL FOR 46.61 RELAYS	$	17.50
BASE97-02	BASE, DIN RAIL FOR 46.52 RELAYS	$	17.50
BASE97-11	BASE, PCB MOUNT FOR 46.61 SERIES RELAYS	$	8.50
BASE97-51	BASE, DIN RAIL FOR 46.61 RELAYS - SPRING CLAMP TYPE	$	23.10
BASE97-52	BASE, DIN RAIL FOR 46.52 RELAYS - SPRING CLAMP TYPE (97-P2)	$	22.60

FINDER 13 Series - Flush Box Interposing Relay

Relay fits inside a flush box to interface high power loads with low voltage controls. 12A SPNO contact

13.31-012-AC	INTERPOSING RELAY, FLUSHBOX TYPE, 1NO 12A, 12VAC COIL	$	65.30
13.31-024-DC	INTERPOSING RELAY, FLUSHBOX TYPE, 1NO 12A, 24VDC COIL	$	65.30
13.31-230-AC	INTERPOSING RELAY, FLUSHBOX TYPE, 1NO 12A, 230VAC COIL	$	65.30

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FINDER 50 Series Flat-Pin Relays with Lockable Test Button and Led Indication

55.32-012-AC	RELAY 12VAC, MECH INDICATOR+ TEST BUTTON, 2CO10A@250VAC, AgNi, 55.32.8.012.0040	$	35.00
55.32-012-DC	RELAY 12VDC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi, 55.32.9.012.0074	$	35.00
55.32-024-AC	RELAY 24VAC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi, 55.32.8.024.0054	$	35.00
55.32-024AC-5040	RELAY 24VAC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi, 55.32.8.024.0054	$	35.00
55.32-024-DC	RELAY 24VDC, LED & TEST BUTTON, 2CO 10A@250VAC,AgNi, 55.32.9.024.0074	$	35.00
55.32-048-DC-0090	RELAY 48VDC, LED & TEST BUTTON + DIODE, 2CO 10A@250VAC, AgNi, 55.32.9.048.0090	$	35.00
55.32-110-AC	RELAY 110VAC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi+Au, 55.32.8.110.5054	$	35.00
55.32-110-DC	RELAY 110VDC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi, 55.32.9.110.0074	$	35.00
55.32-125-DC	RELAY 125VDC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi, 55.32.9.125.0074	$	38.70
55.32-12VAC	RELAY 125VDC, LED & TEST BUTTON, 2CO 10A@250VAC, AgNi, 55.32.9.125.0074	$	38.70
55.32-240-AC	RELAY 240VAC, LED & TEST BUTTON, 2CO 10A@250VAC AgNi, 55.32.8.240.0054	$	35.00
55.32-240-AC-0050	RELAY 240VAC, LED & TEST BUTTON, 2CO 10A@250VAC	$	35.00
55.33-012-DC	RELAY 12VDC, LED & TEST BUTTON + DIODE, 3 CO 10A@250VAC, AgNi, 55.33.9.012.0090	$	32.40
55.33-110-DC	RELAY 110VDC, TEST BUTTON, 3CO 10A@250VA, AgNi, 55.33.9.110.0010	$	32.40
55.33-230-AC	RELAY 230VAC, LED & TEST BUTTON, 3CO 10A@250VA, AgNi, 55.33.8.230.0054	$	32.40
55.34-006-DC	RELAY 6VDC, LED & TEST BUTTON + DIODE, 4CO 7A@250VA, AgNi, 55.34.9.006.0090	$	47.00
55.34-012-AC	RELAY 12VAC, LED & TEST BUTTON, 4CO 7A@250VA, AgNi+Au, 55.34.8.012.5054	$	47.00
55.34-012-DC	RELAY 12VDC, LED, MECH IND, & TEST BUTTON, 4CO 7A@250VA, AgNi, 55.34.9.012.0074	$	47.00
55.34-024-AC	RELAY 24VAC, LED, MECH IND & TEST BUTTON, 4CO 7A@250VA, AgNi, 55.34.8.024.0054	$	47.00
55.34-024-DC	RELAY 24VDC, LED & TEST BUTTON, 4CO 7A@250VA, AgNi+Au, 55.34.9.024.5074	$	53.40
55.34-024-DC-0090	RELAY 24VDC, LED & TEST BUTTON + DIODE, 4CO 7A@250VA, AgNi, 55.34.9.024.0090	$	47.00
55.34-024DC-0094	RELAY 24VDC, LED & TEST BUTTON + DIODE, 4CO 7A@250VA, AgNi, 55.34.9.024.0090	$	47.00
55.34-024-DC-5090	RELAY 24VDC, LED & TEST BUTTON & DIODE, 4CO 7A@250VA, AgNi+Au, 55.34.9.024.5090	$	53.40
55.34-048-AC	RELAY 48VAC, LED & TEST BUTTON, 4CO 7A@250VA, AgNi+Au, 55.34.8.048.5054	$	47.00
55.34-048-DC-0090	RELAY 48VDC, LED, DIODE & TEST BUTTON, 4CO 7A@250VA, AgNi, 55.34.9.048.0090	$	47.00
55.34-060-DC	RELAY 60VDC, LED & TEST BUTTON, 4CO 7A@250VA, AgNi+Au, 55.34.9.060.5074	$	57.70
55.34-110-AC	RELAY 110VAC, LED & TEST BUTTON, 4CO 7A@250VA, AgNi+Au, 55.34.8.110.5054	$	57.70
55.34-110-DC	RELAY 110VDC, LED & TEST BUTTON, 4CO 7A@250VA, AgNI, 55.34.9.110.0040	$	47.00
55.34-125-DC	RELAY 125VDC, LED, MECH IND & TEST BUTTON, 4CO 7A@250VA, AgNI, 55.34.9.125.0074	$	47.00
55.34-230-AC	RELAY 230VAC, LED , MECH IND & TEST BUTTON, 4CO 7A@250VA, AgNi, 55.34.8.230.0054	$	47.00
55.34-24DC-STD	RELAY 24VDC, 4 CO 7A@250VA	$	47.00
55.34D-024-DC	RELAY 24VDC, 4 CO 7A@250VA	$	47.00
55.34D-110-DC	RELAY 24VDC, 4 CO 7A@250VA	$	47.00
55.34HS-024-DC	RELAY 24VDC, 4 CO 7A@250VA	$	32.40

56.32-012-AC	RELAY12VAC, LED, MECH IND & TEST BUTTON, 2CO 12A@250VA, AgNI, 56.32.8.012.0054	$	39.50
56.32-012-DC	RELAY 12VDC, LED, MECH IND & TEST BUTTON, 2CO 12A@250VAC, AgNi, 56.32.9.012.0074	$	39.50
56.32-024-AC	RELAY 24VAC, LED, MECH IND & TEST BUTTON, 2CO 12A@250VA, AgNI, 56.32.8.024.0054	$	39.50
56.32-024-DC	RELAY 24VDC, LED, MECH IND & TEST BUTTON, 2CO 12A@250VA, AgNI, 56.32.9.024.0074	$	39.50
56.32-024DC-STD	RELAY 24VDC, LED, +VE DIODE, 2 CO 12A@250VA, AgNi, 56.32.9.024.0080	$	39.50
56.32-048-AC	RELAY 48VAC, LED & TEST BUTTON, 2 CO 12A@250VA, AgNI, 56.32.8.048.0054	$	43.90
56.32-048-DC	RELAY 48VDC, LED & TEST BUTTON, 2 CO 12A@250VA, ASgNi, 56.32.9.048.0074	$	43.90
56.32-060-DC	RELAY 60VDC, LED & TEST BUTTON, 2CO 12A@250VA, AgNI, 56.32.9.060.0094	$	43.90
56.32-110-AC	RELAY 110VAC, LED & TEST BUTTON, 2 CO 12A@250VA, AgNi, 56.32.8.110.0054	$	43.90
56.32-110-DC	RELAY 110VDC, LED & TEST BUTTON, 2 CO 12A@250VA, AgNi, 56.32.9.110.0074	$	43.90
56.32-120-AC	RELAY 120VAC, LED & TEST BUTTON, 2 CO 12A@250VA,AgNi, 56.32.8.120.0054	$	43.90
56.32-125-DC	RELAY 125VDC, LED & TEST BUTTON, 2 CO 12A@250VA, AgNi, 56.32.9.125.0000	$	43.90
56.32-240-AC	RELAY 240VAC, LED & TEST BUTTON, 2 CO 12A@250VA, AgNi, 56.32.8.240.0054	$	43.90
56.32-240AC-STD	RELAY 240VAC, MECH IN & TEST BUTTON, 2CO 12A@250VA, AgNi, 56.32.8.240.0040	$	35.40
56.34-012-AC	RELAY 12VAC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-012-DC	RELAY 12VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-024-AC	RELAY 24VAC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-024-DC	RELAY 24VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-036-DC	RELAY 36VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-060-DC	RELAY 60VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-110-AC	RELAY 110VAC, LED & TEST BUTTON, 4CO 12A@250VA	$	69.20
56.34-110-DC	RELAY 110VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-125-DC	RELAY 125VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.20
56.34-220-DC	RELAY 220VDC, LED & TEST BUTTON, 4CO 12A@250VA	$	83.20
56.34-240-AC	RELAY 240VAC, LED & TEST BUTTON, 4CO 12A@250VA	$	66.90
56.34-400-AC	RELAY 400VAC, LED & TEST BUTTON, 4CO 12A@250VA	$	74.60
56.42-012-DC	RELAY PCB MOUNT 12VDC, 2CO 12A/250VAC	$	36.20
56.42-024-DC	RELAY PCB MOUNT 24VDC, 2CO 12A/250VAC	$	36.20

50 Series Bases

BASE94-02	BASE, DIN RAIL FOR 55.32 RELAYS AND 85 SERIES TIMERS	$	17.50
BASE94-04	BASE, DIN RAIL FOR 55.34 RELAYS AND 85 SERIES TIMERS	$	17.50
BASE94-12	BASE, PCB MOUNT FOR 55.32 RELAYS	$	7.70
BASE94-14	BASE, PCB MOUNT FOR 55.34 RELAYS	$	7.70
BASE94-54.1	BASE, DIN RAIL FOR 55.34 RELAYS - SPRING CLAMP TYPE	$	27.80
BASE94-72	BASE, DIN RAIL FOR 55.32 RELAYS	$	18.30
BASE94-73	BASE, DIN RAIL FOR 55.33 RELAYS	$	18.30
BASE94-74	BASE, DIN RAIL FOR 55.34 RELAYS	$	18.30
BASE94-82	BASE, DIN RAIL FOR 55.32 RELAYS	$	18.30
BASE96-02	BASE, DIN RAIL FOR 56.32 RELAYS	$	19.50
BASE96-04	BASE, DIN RAIL FOR 56.34 RELAYS	$	24.80
BASE96-12	BASE, PCB MOUNT FOR 56.32 RELAYS	$	7.70
BASE96-14	BASE, PCB MOUNT FOR 56.34 RELAYS	$	9.00
BASE96-72	BASE, DIN RAIL FOR 56.32 RELAYS	$	22.40
BASE96-74	BASE, DIN RAIL FOR 56.34 RELAYS	$	27.60

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FINDER 60 Series 8 & 11Round-Pin Relays, Lockable Test Button and LED.

60.12-012-AC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 12VAC COIL	$	43.90
60.12-012-DC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 12VDC COIL	$	43.90
60.12-024-AC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 24VAC COIL	$	43.90
60.12-024-DC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 24VDC COIL	$	43.90
60.12-048-AC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 48VAC COIL	$	47.40
60.12-048-DC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 48VDC COIL	$	47.40
60.12-060-DC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 48VDC COIL	$	47.40
60.12-110-AC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 110VAC COIL	$	47.40
60.12-230-AC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 230VAC COIL	$	47.40
60.12-400-AC	RELAY 8 PIN, MECH INDICATOR & TEST BUTTON, 2CO 10A@250VAC, 400VAC COIL	$	47.40
60.13-012-AC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 12VAC COIL	$	45.00
60.13-012-DC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 12VDC COIL	$	45.00
60.13-024-AC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 24VAC COIL	$	48.40
60.13-024-DC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 24VDC COIL	$	48.40
60.13-048-AC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 48VAC COIL	$	48.40
60.13-048-DC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 48VDC COIL	$	48.40
60.13-060-DC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 60VDC COIL	$	48.40
60.13-080-DC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 80VDC COIL	$	48.40
60.13-110-AC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 110VAC COIL	$	48.40
60.13-110-DC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 110VDC COIL	$	48.40
60.13-230-AC	RELAY 11 PIN, MECH INDICATOR & TEST BUTTON, 3CO 10A@250VAC, 230VAC COIL	$	48.40

FINDER 60 Series Bases

BASE90-02	BASE, DIN RAIL, 8PIN, FOR 60.12 RELAYS	$	18.60
BASE90-03	BASE, DIN RAIL,11PIN FOR 60.13 RELAYS AND 86.00 TIMER	$	18.60
BASE90-12	BASE, 8PIN, SOLDER TERMINALS, FOR 60.12 RELAYS	$	5.50
BASE90-13	BASE,11PIN, SOLDER TERMINALS, FOR 60.13 RELAYS	$	5.50
BASE90-14	BASE, PCB MOUNT, FOR 8PIN, 60.12 RELAYS	$	7.40
BASE90-14.1	BASE, PCB MOUNT FOR 8PIN, 60.12 RELAYS, 17.5mm	$	7.40
BASE90-15	BASE, PCB MOUNT FOR 11PIN, 60.13 RELAYS	$	7.40
BASE90-15.1	BASE, PCB MOUNT FOR 11PIN, 60.13 RELAYS	$	6.20
BASE90-20	BASE, DIN RAIL, 8 PIN FOR 60.12, 88.92 RELAYS	$	17.50
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	$	17.50

FINDER Plug-in Timers for 60 Series Bases

86.30-024	MULTIFUNCTION TIMER MODULE, 12-24VAC/DC, USE WITH 90, 92, 94, 95, 96, 97 SOCKETS	$	76.10
86.30-230	MULTIFUNCTION TIMER MODULE, 230VAC, USE WITH 90, 92, 94, 95, 96, 97 SOCKETS	$	85.50
86.60-100	MULTIFUNCTION TIMER MODULE 12-90VAC/DC	$	152.60

FINDER Accessory Modules for Relay Bases

99.02-024-09	RC MODULE 6-24VAC/DC, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-024-59	LED MODULE 24VAC/DC 90/94/95/96/97 SERIES BASES	$	16.60
99.02-024-79	GREEN LED + DIODE MODULE 6-24VDC INV POLARITY 90/94/95/96/97 SERIES BASES	$	16.60
99.02-024-98	GREEN LED/VARISTOR MODULE 6-24VAC/DC, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-024-99	LED + DIODE MODULE 6-24VDC STD POLARITY, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-060-59	LED MODULE 28-60VAC/DC, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-230-07	RC BY-PASS MODULE 110-230V, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-230-09	RC MODULE 230VAC, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-230-59	LED MODULE 110-240VAC/DC, 90/94/95/96/97 SERIES BASES	$	16.60
99.02-3000	DIODE MODULE 6-220VDC, 90/94/95/96/97 SERIES BASES	$	16.60

FINDER Power Relays

62.22-0300-110DC	POWER RELAY PCB MOUNT, 2NO 16A@250VAC, 110VDC COIL	$	40.70
62.22-0300-230AC	POWER RELAY PCB MOUNT, 2NO 16A@250VAC, 230VAC COIL	$	40.70
62.22-060-DC	POWER RELAY PCB MOUNT, 2CO 16A@250VAC, 60VDC COIL	$	40.70
62.22-230-AC	POWER RELAY PCB MOUNT, 2CO 16A@250VAC, 230VAC COIL	$	40.70
62.23-012-DC	POWER RELAY PCB MOUNT, 2CO 16A@250VAC, 12VDC COIL	$	40.70
62.23-024-DC	POWER RELAY PCB MOUNT, 2CO 16A@250VAC, 24VDC COIL	$	40.70
62.23-0300-12DC	POWER RELAY PCB MOUNT, 3NO 16A@250VAC, 12VDC COIL	$	40.70
62.23-0300-230AC	POWER RELAY PCB MOUNT, 3NO 16A@250VAC, 230VAC COIL	$	40.70
62.31-4800-24VDC	POWER RELAY, 2NO 16A@250VAC, MAG BLOWOUT, 24VDC COIL	$	46.60
62.32-230AC-SELV	POWER RELAY PCB MOUNT, 2CO 16A@250VAC, SELV SEPARATION, 24VDC COIL	$	46.60
62.32-4800-125VDC	POWER RELAY, 2NO 16A@250VAC, MAG BLOWOUT, 125VDC COIL	$	58.90
62.32-4800-24VDC	POWER RELAY PCB MOUNT, 2CO 16A@250VAC, MAG BLOWOUT, 24VDC COIL	$	49.20
62.33-024-DC	POWER RELAY PLUG IN, 3CO 16A@250VAC, 24VDC COIL	$	40.70
62.33-0300-024DC	POWER RELAY PLUG IN, 3NO 16A@250VAC, 24VDC COIL	$	40.70
62.82-024-AC	POWER RELAY FLANGE MOUNT, 2CO 16A@250VAC, 24VAC COIL	$	40.70
62.82-024-DC	POWER RELAY FLANGE MOUNT, 2CO 16A@250VAC, 24VDC COIL	$	40.70
62.82-0300-230AC	POWER RELAY FLANGE MOUNT, 2NO 16A@250VAC, 230VAC COIL	$	40.70
62.82-230-0005	POWER RELAY FLANGE MOUNT, LED & TEST BUTTON, 2CO 16A@250VAC, 230VAC COIL	$	48.10
62.82-230-AC	POWER RELAY FLANGE MOUNT, 2CO 16A@250VAC, 230VAC COIL	$	40.70
62.83-0300-024AC	POWER RELAY FLANGE MOUNT, 3NO 16A@250VAC, 24VAC COIL	$	40.70
62.83-230-AC	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 230VAC COIL	$	41.20
62.83-230AC-4000	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 230VAC COIL	$	41.20
62.83-400-AC	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 400VAC COIL	$	59.60
65.31-024-DC	POWER RELAY FLANGE MOUNT 24VDC, 1NO +1NC 20A@250VAC	$	40.70
65.31-0300-012DC	POWER RELAY FLANGE MOUNT 12VDC, 1NO 30A@250VAC	$	40.70
65.31-0300-024AC	POWER RELAY FLANGE MOUNT 24VAC, 1NO 30A@250VAC	$	40.70
65.31-0300-024DC	POWER RELAY FLANGE MOUNT 24VDC, 1NO 30A@250VAC	$	40.70
65.31-0300-230AC	POWER RELAY FLANGE MOUNT 230VAC, 1NO 30A@250VAC	$	40.70
65.31-230-AC	POWER RELAY FLANGE MOUNT 230VAC, 1NO +1NC 20A@250VAC	$	40.70
66.22-012-DC	POWER RELAY PCB MOUNT 12VDC, 2CO 30A@250VAC	$	54.80
66.82-012-AC	POWER RELAY FLANGE MOUNT 12VAC, 2CO 30A@250VAC	$	54.80
66.82-012-DC	POWER RELAY FLANGE MOUNT 12VDC, 2CO 30A@250VAC	$	54.80
66.82-024-AC	POWER RELAY FLANGE MOUNT 24VAC, 2CO 30A@250VAC	$	54.80
66.82-024-DC	POWER RELAY FLANGE MOUNT 24VDC, 2CO 30A@250VAC	$	54.80
66.82-110-AC	POWER RELAY FLANGE MOUNT 110VAC, 2CO 30A@250VAC	$	58.00
66.82-240-AC	POWER RELAY FLANGE MOUNT 240VAC, 2CO 30A@250VAC	$	58.00
66.82-24DC-DIN	RELAY 2-POLE C/O 30A 24VDC DIN MOUNTING	$	58.00

Accessories - 62 SERIES

062.10	MOUNTING ADAPTOR FOR 62 SERIES RELAYS, M4 THREAD	$	7.40
066.07 DINCLIP	DIN RAIL MOUNT CLIP FOR 66.82 RELAYS	$	5.80

Due to volatile international material costs, prices may change at short notice.
check before ordering

FINDER 22 Series DIN Rail Mount Monostable Power Relays

22.22-012-AC	MONOSTABLE RELAY, 2NO 20A,12VAC COIL	$	77.80
22.22-012-DC	MONOSTABLE RELAY, 2NO 20A, 12VDC COIL	$	77.80
22.22-024-AC	MONOSTABLE RELAY 2NO 20A, 24VAC COIL	$	77.80
22.22-024-DC	MONOSTABLE RELAY, 2NO 20A, 24VDC COIL	$	77.80
22.22-110-AC	MONOSTABLE RELAY, 2NO 20A, 110VAC COIL	$	77.80
22.22-230-AC	MONOSTABLE RELAY, 2NO 20A, 230VAC COIL	$	77.80
22.23-012-AC	MONOSTABLE RELAY, 1NO +1 NC 20A, 12VAC COIL	$	77.80
22.23-012-DC	MONOSTABLE RELAY, 1NO +1 NC 20A, 12VDC COIL	$	77.80
22.23-024-AC	MONOSTABLE RELAY, 1NO +1 NC 20A, 24VAC COIL	$	77.80
22.23-024-DC	MONOSTABLE RELAY, 1NO +1 NC 20A, 24VDC COIL	$	77.80
22.23-110-AC	MONOSTABLE RELAY, 1NO +1 NC 20A, 110VAC COIL	$	77.80
22.23-230-AC	MONOSTABLE RELAY, 1NO +1 NC 20A, 230VAC COIL	$	77.80
22.24-012-DC	MONOSTABLE RELAY, 2NC 20A, 12VDC COIL	$	77.80
22.24-024-AC	MONOSTABLE RELAY, 2NC 20A, 24VAC COIL	$	77.80
22.24-024-DC	MONOSTABLE RELAY, 2NC 20A, 24VDC COIL	$	77.80
22.24-230-AC	MONOSTABLE RELAY, 2NC 20A, 230VAC COIL	$	77.80

CEL DIN Rail Mounted Relay Modules

The RM series of relay interface modules provide a compact, labour-saving solution for multiple relay connections. The RM series are manufactured by Carrel-Electrade Ltd, using the finest quality components for maximum performance.They are DIN rail mounted, and connect via either screw terminals or ribbon cables. Relays are electromechanical (unless stated) but SSRs can be substituted as required POA.

RM-4WAY-24VDC	RELAY INTERFACE MODULE, 24VDC, 4 WAY FUSED (10A MAX)	$	175.00
RM-4WAY-MB-24VDC	RELAY INTERFACE MODULE, 24VDC - WITH MODBUS COMMS OUTPUT, 4 WAY	$	299.00
RM-8WAY-24VAC	RELAY INTERFACE MODULE, 24VAC, 8 WAY FUSED (10A MAX)	$	319.40
RM-8WAY-24VDC	RELAY INTERFACE MODULE, 24VDC, 8 WAY FUSED (10A MAX)	$	297.60
RM-8WAY-BASE-24VDC	RELAY INTERFACE MODULE, 24VDC - BASE ONLY, 8 WAY FUSED (10A MAX)	$	247.10
RM-8WAY-MB-24VDC	RELAY INTERFACE MODULE, 24VDC - WITH MODBUS COMMS OUTPUT, 8 WAY	$	449.00
RM-8WAY-SL-24VDC	SLIMLINE RELAY INTERFACE MODULE, 24VDC, 8 WAY, 6A	$	395.00
RM-8WAYSSR-24VDC	SSR RELAY INTERFACE MODULE, 24VDC,8 WAY FUSED (2A MAX)	$	531.40
RM-16WAY-24VDC	RELAY INTERFACE MODULE, 24VDC, 16 WAY FUSED (10A MAX)	$	555.40
RM-16WAY-BASE-24VDC	RELAY MODULE BASE ONLY, 24VDC,16 WAY FUSED (10A MAX)	$	415.70
RM-16WAY-FAS	RELAY INTERFACE MODULE, 16 WAY FAS IO, FUSED	$	555.40
RM-16WAY-IOLINK	RELAY INTERFACE MODULE, 16 WAY IOLINK FUSED (IOLINK ADAPTOR EXCLUDED)	$	555.40
RM-16WAY-MB-24VDC	RELAY INTERFACE MODULE WITH MODBUS COMMS OUTPUT, 24VDC, 16 WAY	$	689.00
RM-16WAY-SSR-24VDC	SSR RELAY INTERFACE MODULE, 24VDC,16 WAY FUSED (2A MAX)	$	1,023.00
RM-32WAY-24VDC	RELAY INTERFACE MODULE, 24VDC, 32 WAY FUSED (10A MAX)	$	1,038.30
RM-32WAY-BASE-24VDC	RELAY INTERFACE MODULE, 24VDC - BASE ONLY, 32 WAY FUSED (10A MAX)	$	723.70
RM-32WAY-SSR-24VDC	SSR RELAY INTERFACE MODULE, 24VDC, 32 WAY FUSED (2A MAX)	$	1,916.20
RM-CABLE-14WAY-2M	RELAY MODULE RIBBON CABLE 14 WAY IDC CONNECTORS - 2M	$	46.20
RM-CABLE-20WAY-2M	RELAY MODULE RIBBON CABLE 20 WAY IDC CONNECTORS - 2M	$	79.10
RM-CABLE-40-1756TBCH	RELAY MODULE RIBBON CABLE 40 WAY IDC /1756-TBCH DOUBLE INSULATED - 1M	$	195.20
RM-CABLE-40WAY-2M	RELAY MODULE RIBBON CABLE 40 WAY IDC TO FREE END - 3.0M , DOUBLE INSULATED	$	63.40
RM-CABLE-40WAY-2M-AB	RELAY MODULE RIBBON CABLE 40 WAY IDC TO FREE END - 3.0M , DOUBLE INSULATED	$	63.40
RM-CABLE-40WAY-2M-DI	RELAY MODULE RIBBON CABLE 40 WAY IDC TO FREE END - 3.0M , DOUBLE INSULATED	$	63.40

FINDER Relays with Force-Guided Contacts (for Safety Applications)

50.12-012-1000	RELAY FORCE GUIDED CONTACTS, PCB + SOCKET MOUNT, 2 CO 8A@250VAC,12VDC	$	29.70
50.12-012-5000	RELAY FORCE GUIDED CONTACTS, PCB + SOCKET MOUNT, 2 CO 8A@250VAC AU FLASH,12VDC	$	39.70
50.12-024-1000	RELAY FORCE GUIDED CONTACTS, PCB + SOCKET MOUNT, 2 CO 8A@250VAC, 24VDC	$	29.70
50.12-024-5000	RELAY FORCE GUIDED CONTACTS, PCB+ SOCKET MOUNT, 2 CO 8A@250VAC AU FLASH, 24VDC	$	39.70
50.14.9.012.4310	RELAY FORCE GUIDED CONTACTS, PCB MOUNT, 3 NO +1 NC 8A@250VAC,12VDC	$	127.50
50.14.9.024.4310	RELAY FORCE GUIDED CONTACTS, PCB MOUNT, 3 NO +1 NC 8A@250VAC, 24VDC	$	127.50
50.16.9.024.5510	RELAY FORCE GUIDED CONTACTS, PCB MOUNT, 5 NO +1 NC 8A@250VAC, 24VDC	$	163.90
7S.12-024-5110	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT,1NO+1NC 6A@250VAC, 24VDC COIL	$	137.90
7S.12-230-5110	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT,1NO+1NC 6A@250VAC, 230VAC COIL	$	189.60
7S.14-024-4220	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+2NC 6A@250VAC, 24VDC COIL	$	268.90
7S.14-024-4310	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 3NO+1NC 6A@250VAC, 24VDC COIL	$	268.90
7S.14-230-0220	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+2NC 6A@250VAC, 230VAC COIL	$	368.80
7S.14-230-4220	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+2NC 6A@250VAC, 230AC COIL	$	368.80
7S.14-230-4310	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 3NO+1NC 6A@250VAC, 230VAC COIL	$	368.80
7S.16-024-5420	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 4NO+2NC 6A@250VAC, 24VDC COIL	$	242.50
7S.16-230-0420			
7S.23-024-0210	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+1NC 6A@250VAC, AgNi+Au, 24VDC COIL	$	140.40
7S.32-024-5110	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 1NO+1NC 6A@250VAC AgNi+Au, 24VDC COIL	$	137.90
R-SAFETY	SAFETY RELAY 2 CH 3 N/O + 1 N/C 4A@250VAC	$	344.00

FINDER Latching Relays and Contactors

Finder latching relays are available in a wide variety of voltages, functions and mounting options including DIN rail, surface and flush-box mount. They offer a pulse-ON/pulse-OFF (latching), or selectable latching/monostable (momentary) operation.

13.01-024	LATCHING OR MONOSTABLE RELAY, ELECTRONIC, 1NO 16A, 24VAC/DC COIL	**$**	**114.00**
13.01-240	LATCHING OR MONOSTABLE RELAY, ELECTRONIC, 1NO 16A, 230VAC COIL,	**$**	**114.00**
13.11-230	CALL RELAY WITH RESET COMMAND, 1CO 12A, 230VAC COIL	**$**	**152.30**
13.12-012	CALL RELAY WITH RESET COMMAND, 1CO+1NO 12A,12VAC/DC COIL	**$**	**138.40**
13.12-024	CALL RELAY WITH RESET COMMAND, 1CO+1NO 12A, 24VAC/DC COIL	**$**	**138.40**
13.61-230-AC	LATCHING RELAY, ELECTRONIC, 4 FUNCTION WITH RESET, 1NO 16A, 230VAC COIL	**$**	**137.50**
13.81-230-AC	LATCHING RELAY, ELECTRONIC,1NO10A, 230VAC COIL	**$**	**125.20**
13.91-230-AC	LATCHING AND TIMED RELAY, FLUSHBOX TYPE, ELECTRONIC, 1 NO10A, 230VAC COIL	**$**	**102.90**

20.22-012-AC	LATCHING RELAY 2NO 16A,12VAC COIL	**$**	**91.20**
20.22-012-DC	LATCHING RELAY 2NO 16A,12VDC COIL	**$**	**91.20**
20.22-024-AC	LATCHING RELAY 2NO 16A, 24VAC COIL	**$**	**91.20**
20.22-024-DC	LATCHING RELAY 2NO 16A, 24VDC COIL	**$**	**91.20**
20.22-230-AC	LATCHING RELAY 2NO 16A, 230VAC COIL	**$**	**91.20**
20.23-012-AC	LATCHING RELAY 1NO+1NC 16A, 12VAC COIL	**$**	**91.20**
20.23-012-DC	LATCHING RELAY 1NO+1NC 16A, 12VDC COIL	**$**	**91.20**
20.23-024-AC	LATCHING RELAY 1NO+1NC 16A, 24VAC COIL	**$**	**91.20**
20.23-024-DC	LATCHING RELAY 1NO+1NC 16A, 24VDC COIL	**$**	**91.20**
20.23-230-AC	LATCHING RELAY 1NO+1NC 16A, 230VAC COIL	**$**	**91.20**

26.02-012-AC	STEP RELAY, 2 NO 10A@250VAC, 12VAC COIL	**$**	**69.60**
26.02-024-AC	STEP RELAY, 2 NO 10A@250VAC, 24VAC COIL	**$**	**69.60**
26.02-230-AC	STEP RELAY, 2 NO 10A@250VAC, 230VAC COIL	**$**	**69.60**
26.03-012-AC	STEP RELAY, 1 NO+1 NC 10A@250VAC, 12VAC COIL	**$**	**69.60**
26.03-024-AC	STEP RELAY, 1 NO+1 NC 10A@250VAC, 24VAC COIL	**$**	**69.60**
26.03-230-AC	STEP RELAY, 1 NO+1 NC 10A@250VAC, 230VAC COIL	**$**	**69.60**
27.01-230-AC	LATCHING RELAY, FLUSHBOX TYPE, 1 NO 10A@250VAC, 230VAC COIL	**$**	**66.60**

Accessories for 26 SERIES

026.00	CAPACITOR MODULE FOR USE WITH ILLUMINATED PUSHBUTTONS	**$**	**16.10**
026.9-012	DC ADAPTOR 12VAC TO 12VDC FOR 26 SERIES RELAYS	**$**	**37.70**
026.9-024	DC ADAPTOR 24VAC TO 24VDC FOR 26 SERIES RELAYS	**$**	**37.70**

FINDER RB series DIN Rail Mount Latching Contactors 4 Pole

Type RB.14 is a bistable relay, 8 A for control and signaling, suitable for 35 mm rail (EN 60715) mounting. Features include: 4 CO contacts, DC supply voltage, Double coil version, REMOTE SET and RESET commands, LED for signaling command status, Cadmium-free contacts

RB14-024-DC	BI-STABLE RELAY, 24VDC COIL 4CO 8A@250VAC, DIN MOUNT	**$**	**1,075.90**
RB14-125-DC	BI-STABLE RELAY,110-115VDC COIL 4CO 8A@250VAC, DIN MOUNT	**$**	**1,098.80**

DIN Rail Modular Contactors 2 and 4 pole, 25A, 40A & 63A

A range of contactors 17.7mm wide (2-pole) and 35mm wide (4-pole), with mechanical and LED indication as standard, continuously-rated coils and contacts, and optional auxiliary contacts. Contact options are AgNi contacts (specifically intended for resitive and slightly inductive loads and motor loads, or AgSnO2 contacts (specifically intended for lamp loads and for some high inrush current loads*)

22.32-012-1340	CONTACTOR 25A, 2NO AgNi, AUTO ON/OFF, 12VAC/DC COIL	**$**	**104.90**
22.32-024-1320	CONTACTOR 25A, 2NO AgNi, 24VAC/DC COIL	**$**	**93.30**
22.32-024-1420	CONTACTOR 25A, 2NC AgNi, 24VAC/DC COIL	**$**	**93.30**
22.32-024-1520	CONTACTOR 25A,1NO+1NC AgNi, 24VAC/DC COIL	**$**	**93.30**
22.32-024-4320	CONTACTOR 25A, 2NO AgSnO2, 24VAC/DC COIL	**$**	**93.30**
22.32-024-4340	CONTACTOR 25A, AUTO ON/OFF, 2NO AgSnO2, 24VAC/DC COIL	**$**	**104.90**
22.32-024-4420	CONTACTOR 25A, 2NC AgSnO2, 24VAC/DC COIL	**$**	**93.30**
22.32-024-4520	CONTACTOR 25A,1NO+1NC AgSnO2, 24VAC/DC COIL	**$**	**93.30**
22.32-230-1320	CONTACTOR 25A, 2NO AgNI, 230VAC COIL	**$**	**93.30**
22.32-230-1420	CONTACTOR 25A, 2NC AgNi, 230VAC COIL	**$**	**93.30**
22.32-230-1520	CONTACTOR 25A,1NO+1 NC AgNi, 230VAC COIL	**$**	**93.30**
22.32-230-4320	CONTACTOR 25A, 2NO AgSnO2, 230VAC COIL	**$**	**93.30**
22.32-230-4340	CONTACTOR 25A, 2NO AgSnO2, AUTO/ON/OFF 230VAC COIL	**$**	**104.90**
22.32-230-4420	CONTACTOR 25A, 2NC AgSnO2, 230VAC COIL	**$**	**93.30**
22.32-230-4520	CONTACTOR 25A,1NO+1NC AgSnO2, 230VAC COIL	**$**	**93.30**

22.34-024-1320	CONTACTOR 25A, 4NO AgNI, 24VAC/DC COIL	**$**	**132.10**
22.34-024-1620	CONTACTOR 25A, 2NO+2NC AgNi, 24VAC/DC COIL	**$**	**132.10**
22.34-024-4320	CONTACTOR 25A, 4NO AgSnO2, 24VAC/DC COIL	**$**	**132.10**
22.34-024-4340	CONTACTOR 25A, 4NO AgSnO2, AUTO/ON/OFF, 24VAC/DC COIL	**$**	**143.80**
22.34-024-4620	CONTACTOR 25A, 2NO+2NC AgSnO2, 24VAC/DC COIL	**$**	**132.10**
22.34-024-4720	CONTACTOR 25A, 3NO+1NC AgSnO2, 24VAC/DC COIL	**$**	**132.10**
22.34-230-1320	CONTACTOR 25A, 4NO AgNi, 230VAC COIL	**$**	**132.10**
22.34-230-1620	CONTACTOR 25A, 2NO+2NC AGNi, 230VAC COIL	**$**	**132.10**
22.34-230-4320	CONTACTOR 25A, 4NO AgSnO2, 230VAC COIL	**$**	**132.10**
22.34-230-4340	CONTACTOR 25A, AUTO/ON/OFF, 4NO AgSnO2, 230VAC COIL	**$**	**143.80**
22.34-230-4620	CONTACTOR 25A, 2NO+2NC AgSnO2, 230VAC COIL	**$**	**132.10**
22.44-024-4310	CONTACTOR 40A, 4NO AgSnO2, 24VAC/DC COIL	**$**	**270.50**
22.44-024-4410	CONTACTOR 40A, 4NC AgSnO2, 24VAC/DC COIL	**$**	**270.50**
22.44-024-4610	CONTACTOR 40A, 2NO+2 NC AgSnO2, 24VAC/DC COIL	**$**	**270.50**
22.44-024-4710	CONTACTOR 40A, 3NO+1NC AgSnO2, 24VAC/DC COIL	**$**	**270.50**
22.44-120-4310	CONTACTOR 40A, 4NO AgSnO2,110-125VAC/DC COIL	**$**	**270.50**
22.44-230-4310	CONTACTOR 40A, 4NO AgSnO2, 230VAC COIL	**$**	**270.50**
22.44-230-4410	CONTACTOR 40A, 4NC AgSnO2, 230VAC COIL	**$**	**270.50**
22.44-230-4610	CONTACTOR 40A, 2NO+2NC AgSnO2, 230VAC COIL	**$**	**270.50**
22.44-230-4710	CONTACTOR 40A, 3NO+1NC AgSnO2 230VAC COIL	**$**	**270.50**

22.64-024-4310	CONTACTOR 63A, 4NO AgSnO2 24VAC/DC COIL	**$**	**298.70**
22.64-024-4610	CONTACTOR 63A, 2NO+ 2NC AgSnO2 24VAC/DC COIL	**$**	**298.70**
22.64-024-4710	CONTACTOR 63A, 3NO+1 NC AgSnO2 24VAC/DC COIL	**$**	**298.70**
22.64-230-4310	CONTACTOR 63A, 4NO AgSnO2 230VAC COIL	**$**	**298.70**
22.64-230-4610	CONTACTOR 63A, 2NO+2NC AgSnO2 230VAC COIL	**$**	**298.70**
22.64-230-4710	CONTACTOR 63A, 3NO+1NC AgSnO2 230VAC COIL	**$**	**298.70**
22.72-024-1410	CONTACTOR 32A, 2NC AgNi, 24VAC/DC COIL	**$**	**191.80**
22.72-024-1410	CONTACTOR 32A, 2NC AgNi, 24VAC/DC COIL	**$**	**191.80**
22.72-024-1510	CONTACTOR 32A,1NO+1NC AgNi, 24VAC/DC COIL	**$**	**135.40**
22.72-024-1310	CONTACTOR 32A, 2NO AgNi, 24VAC/DC COIL	**$**	**135.40**
22.72-024-1510	CONTACTOR 32A,1NO+1NC AgNi, 24VAC/DC COIL	**$**	**135.40**
22.72-230-1510	CONTACTOR 32A,1NO+1NC AgNi, 230VAC/DC COIL	**$**	**135.40**
22.74-024-1410	CONTACTOR 32A, 4NC AgNi, 24VAC/DC COIL	**$**	**191.80**
22.74-230-1410	CONTACTOR 32A, 4NC AgNi, 230VAC COIL	**$**	**191.80**
22.64-024-4717	CONTACTOR 63A, 3NO+1 NC AgSnO2, EN 60947-4-1 (Mirror Contact) 24VAC/DC COIL	**$**	**311.20**

FINDER - DIN Rail Contactor Accessories

022.33-AUX-N/O	AUXILARY CONTACT MODULE 2 NO FOR 22 SERIES CONTACTORS	**$**	**74.90**
022.35-AUX-N/O-N/C	AUXILARY CONTACT MODULE 1 NO + 1 NC FOR 22 SERIES CONTACTORS	**$**	**74.90**
022.65-AUX-N/O-N/C	AUXILARY CONTACT MODULE 1 NO + 1 NC FOR 22.44 AND 22.64 SERIES CONTACTORS	**$**	**74.90**
022-63-AUX-2NO	AUXILARY CONTACT MODULE 1 NO + 1 NC FOR 22.44 AND 22.64 SERIES CONTACTORS	**$**	**74.90**
022.18-BLACK	JUMPER LINK 8-WAY FOR 22.32 CONTACTORS	**$**	**15.10**
022.18-BLUE	JUMPER LINK 8-WAY FOR 22.32 CONTACTORS	**$**	**15.10**
022.18-RED	JUMPER LINK 8-WAY FOR 22.32 CONTACTORS	**$**	**15.10**
022.26-BLACK	JUMPER LINK 6-WAY FOR 22.34 CONTACTORS	**$**	**15.10**
022.26-BLUE	JUMPER LINK 6-WAY FOR 22.34 CONTACTORS	**$**	**15.10**
022.26-RED	JUMPER LINK 6-WAY FOR 22.34 CONTACTORS	**$**	**15.10**
020.01-ADAPTOR	DIN TO SURFACE MOUNT ADAPTOR	**$**	**1.40**
020.03	SEPARATOR FOR 20, 22 SERIES - 3mm	**$**	**4.00**

Due to volatile international material costs, prices may change at short notice.
check before ordering

FINDER Hockey Puck Solid State Relays

Finder 77 Series Hockey Puck Solid State Relays - Standard hockey puck size zero-crossing SSRs with terminal cover

77.25-024-8250	SSR HOCKEY PUCK, ZERO CROSSING 25A 230VAC LOAD, 24VDC CONTROL	$	112.40
77.25-024-8650	SSR HOCKEY PUCK, ZERO CROSSING 25A 600VAC LOAD, 24VDC CONTROL	$	130.90
77.25-230-8250	SSR HOCKEY PUCK, ZERO CROSSING 25A 230VAC LOAD, 230VAC CONTROL	$	117.70
77.25-230-8650	SSR HOCKEY PUCK, ZERO CROSSING 25A 600VAC LOAD, 230VAC CONTROL	$	166.30
77.45-024-8250	SSR HOCKEY PUCK, ZERO CROSSING 40A 230VAC LOAD 24VDC CONTROL (77.B1.9.024.8250)	$	132.90
77.45-024-8650	SSR HOCKEY PUCK, ZERO CROSSING 40A 600VAC LOAD 24VDC CONTROL (77.B1.9.024.8650)	$	155.50
77.45-230-8250	SSR HOCKEY PUCK, ZERO CROSSING 40A 230VAC LOAD 230VAC CONTROL	$	146.20
77.45-230-8650	SSR HOCKEY PUCK, ZERO CROSSING 40A 600VAC LOAD 230VAC CONTROL	$	172.80
77.55-024-8250	SSR HOCKEY PUCK, ZERO CROSSING 50A 230VAC LOAD 24VDC CONTROL	$	148.90
77.55-024-8650	SSR HOCKEY PUCK, ZERO CROSSING 50A 600VAC LOAD 24VDC CONTROL	$	172.80
77.55-230-8250	SSR HOCKEY PUCK, ZERO CROSSING 50A 230VAC LOAD 230VAC CONTROL	$	164.00
77.55-230-8650	SSR HOCKEY PUCK, ZERO CROSSING 50A 600VAC LOAD 230VAC CONTROL	$	191.60

AUTONICS Hockey Puck Solid State Relays - LED indicator & safety cover, zero voltage turn-on

SR1-1250-N	SSR 1PH/50A 24-240VAC/4-30VDC CONTROL	$	141.50
SR1-4225-N	SSR 1PH/25A 24-240VAC/90-240VAC CONTROL	$	72.50

CROUZET GN Series Hockey Puck Solid State Relays - LED indicator & safety cover, zero voltage turn-on

SSR10A-DC	SSR, HOCKEY PUCK, ZERO CROSSING, 10A 24-280VAC 4-32VDC CONTROL (84137000N)	$	118.70
SSR25A-DC	SSR, HOCKEY PUCK, ZERO CROSSING, 25A 24-280VAC 4-32VDC CONTROL (84137010N)	$	148.40
SSR50A-DC	SSR, HOCKEY PUCK, ZERO CROSSING, 50A 48-660VAC, 4-32VDC CONTROL (84137120N)	$	182.40
SSR75A-DC	SSR, HOCKEY PUCK, ZERO CROSSING, 75A 48-660VAC, 4-32VDC CONTROL (84137130N)	$	271.00
SSR100A-DC	SSR, HOCKEY PUCK, ZERO CROSSING, 100A 48-660VAC, 4-32VDC CONTROL(84137140N)	$	358.40
SSR125A-DC	SSR, HOCKEY PUCK, ZERO CROSSING, 125A 48-660VAC, 4-32VDC CONTROL (84137180N)	$	411.90
SSR25A-AC24	SSR, HOCKEY PUCK, ZERO CROSSING, 25A 24-280VAC18-36VAC/DC CONTROL (84137012N)	$	161.70
SSR50A-AC24	SSR, HOCKEY PUCK, ZERO CROSSING, 50A 48-660VAC18-36VAC/DC CONTROL (84137122N)	$	213.80
SSR75A-AC24	SSR 75A 280VAC LOAD, 18-36VAC CONTROL, ZERO CROSS (84137032)	$	325.20
SSR10A-AC	SSR, HOCKEY PUCK, ZERO CROSSING, 10A 24-280VAC, 20-265VAC CONTROL (84137001N)	$	132.00
SSR25A-AC	SSR, HOCKEY PUCK, ZERO CROSSING, 25A 24-280VAC, 20-265VAC CONTROL (84137011N)	$	161.70
SSR50A-AC	SSR, HOCKEY PUCK, ZERO CROSSING, 50A 48-660VAC, 20-265VAC CONTROL (84137121N)	$	213.80
SSR75A-AC	SSR, HOCKEY PUCK, ZERO CROSSING, 75A 48-660VAC, 20-265VAC CONTROL (84137131N)	$	322.50
SSR100A-AC	SSR, HOCKEY PUCK, ZERO CROSSING, 100A 48-660VAC, 20-265VAC CONTROL (84137141N)	$	371.80
SSR125A-AC	SSR, HOCKEY PUCK, ZERO CROSSING, 125A 48-660VAC, 20-265VAC CONTROL (84137181N)	$	443.00

CROUZET Hockey Puck DC-In : DC-Out Power Relays

MOSFET output, fast switching times, LED indicator

SSRGNAD10A-DC	SSR, HOCKEY PUCK, DC SWITCH,10A 200VDC LOAD, 4-32VDC CONTROL 84137650N	$	236.00
SSRGNAD20A-DC	SSR, HOCKEY PUCK, DC SWITCH, 20A 100VDC LOAD, 4-32VDC CONTROL 84137660N	$	231.60
SSRGNAD40A-DC	SSR, HOCKEY PUCK, DC SWITCH, 40A 55VDC LOAD, 4-32VDC CONTROL 84137670N	$	231.60
SSRGND-40DM	SSR, HOCKEY PUCK, DC SWITCH 40A 5-60VDC LOAD, 4-32VDC CONTROL, 84137870N	$	215.30

Heat Sinks and accessories for Hockey Puck Solid State Relays

It is vital that correct mounting procedures, including appropriate heatsinks, are employed to ensure optimum performance to specification. Warranty may be voided if correct procedures are not followed

HEATSK-077.25	HEATSINK, DIN MOUNT, 2 DEG C/W, FOR SSR UP TO 25A	$	126.90
HEATSK-077.55	HEATSINK, DIN MOUNT 0.9 DEG C/W, FOR SSR 40 & 50A	$	145.40
HEATSK-10A	HEATSINK, DIN MOUNT 2.2 DEG C/W FOR SSR 10A	$	78.80
HEATSK-25-50A	HEATSINK, DIN MOUNT 1.1deg C/W FOR SSR 25-50A (26532753N)	$	99.80
HEATSK-PASTE-150G	HEATSINK PASTE 150g TUBE	$	63.50
HEATSK-PASTE	HEATSINK PASTE 10ml TUBE	$	18.30
THERMAL PAD	THERMAL PAD FOR HOCKEY PUCK SSR	$	3.00
THERMAL PAD/3	THERMAL PAD FOR 3-POLE SSR	$	9.50
DRK1-ADAPTOR	SSR HEATSINK DIN RAIL ADAPTOR	$	27.10
HK1-HARDWARE-KIT	MOUNTING SCREWS FOR SSR	$	2.00

AUTONICS Plug-in Din Rail Mount Solid State Relays

Miniature (12.6mm wide) SSR in industry standard plug-in package 5A switching, zero volt turn-on, built-in LED indicator

SRS1-A1205	SSR PLUG-IN 5A 24-240VAC LOAD, 4-24VDC CONTROL	$	88.20
SRS1-A1D102	SSR PLUG-IN 2A 5-100VDC LOAD, 4-24VDC CONTROL	$	67.20
SK-G05	RELAY SOCKET FOR SRS1 SERIES PLUG-IN SSR	$	21.80

These relays can also be used in our locally manufactured Relay Modules

SOLID STATE RELAYS with integrated heat sinks

Finder 77 Series Din Rail Mount Relays with Integrated Heat sink

DIN Rail mounting, zero-crossing SSR suitable for CFL and energy-saving lamps, solenoids, heater control, and contactor driver applications. Model 77.01 is 88.8mm high x 17.5mm wide x 60.8mm deep, models 77.11 & 77.31 have incorporated heatsink and measure 83.3mm high x 22.5mm wide x 120.3 deep

77.01-024	SSR DIN MOUNT, ZERO CROSSING, 5A 230VAC LOAD,12-24VDC, 24VAC CONTROL	**$**	**137.90**
77.01-230	SSR DIN MOUNT, ZERO CROSSING, 5A 230VAC LOAD, 230VAC CONTROL	**$**	**155.20**
77.11-024	SSR, INTEGRAL HEATSINK, DIN MOUNT ZERO CROSSING 15A 230VAC LOAD, 24VDC CONTROL	**$**	**180.70**
77.11-230	SSR, INTEGRAL HEATSINK, DIN MOUNT, ZERO CROSSING 15A 230VAC LOAD, 230VAC CONTRO	**$**	**180.70**
77.31-024	SSR, INTEGRAL HEATSINK, DIN MOUNT ZERO CROSSING, 30A 400VAC LOAD, 24VDC CONTROL	**$**	**240.40**
77.31-230	SSR, INTEGRAL HEATSINK, DIN MOUNT ZERO CROSSING, 30A,280VAC LOAD, 230VAC CONTROL	**$**	**240.40**

CROUZET Din Rail Mount Relays with Integrated Heat sink – Single and Three Phase

GNR20DCZH	SSR 20A, INTEGRAL HEATSINK, DIN MOUNT, 48-660VAC LOAD, 4-32VDC CONTROL	**$**	**204.80**
GNR25ACZ	SSR 25A, INTEGRAL HEATSINK, 3 PHASE, 48-600VAC LOAD, 180-280VAC CONTROL	**$**	**684.00**
GNR30DCZH	SSR 30A, INTEGRAL HEATSINK, DIN MOUNT, 48-660VAC LOAD, 4-32VDC CONTROL	**$**	**215.30**
GNR45AHZ	SSR 45A, INTEGRAL HEATSINK, DIN MOUNT, 48-600VAC LOAD, 180-280VAC CONTROL	**$**	**381.20**
GNR45DCZP	SSR, INTEGRAL HEATSINK, DIN MOUNT, 45A 24-500VAC LOAD, 4-32VDC CONTROL	**$**	**390.00**
GN325DSZH	SSR 25A, 3 PHASE, WITH HEATSINK, 24-510VAC LOAD, 4-32VDC CONTROL	**$**	**695.00**
GN350DSZH	SSR 50A 3 PHASE, INTEGRAL HEATSINK, DIN MOUNT, 24-510VAC LOAD, 4-32VDC CONTROL	**$**	**795.00**

AUTONICS Din Rail Mount Relays with Integrated Heat sink – Single and Three Phase

Zero crossing switching, built-in LED indicator

SRH1-1430-N	SSR, INTEGRAL HEATSINK, DIN MOUNT, 1PH/30A 48-480VAC, 4-30VDC CONTROL	**$**	**118.40**
SRH1-1460-N	SSR, INTEGRAL HEATSINK, DIN MOUNT, 1PH/60A 48-480VAC/4-30VDC CONTROL	**$**	**173.60**
SRH1-2220-N	SSR, INTEGRAL HEATSINK, DIN MOUNT, 1PH/20A 24-240VAC/24VAC CONTROL	**$**	**92.40**
SRH1-2230-N	SSR, INTEGRAL HEATSINK, DIN MOUNT, 1PH/30A 24-240VAC/24VAC CONTROL	**$**	**118.40**
SRH1-2240-N	SSR, INTEGRAL HEATSINK, DIN MOUNT, 1PH/40A 24-240VAC/24VAC CONTROL	**$**	**122.90**
SRH1-2260-N	SSR, INTEGRAL HEATSINK, DIN MOUNT, 1PH/60A 24-240VAC/24VAC CONTROL	**$**	**212.10**
SRH3-1430	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/30A 48-480VAC/4-30VDC CONTROL	**$**	**282.30**
SRH3-1450	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/50A 48-480VAC/4-30VDC CONTROL	**$**	**381.00**
SRH3-1475	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/75A 48-480VAC/4-30VDC CONTROL	**$**	**425.10**
SRH3-2430	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/30A 48-480VAC/24VAC CONTROL	**$**	**282.30**
SRH3-2450	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/50A 48-480VAC/24VAC CONTROL	**$**	**381.00**
SRH3-2475	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/75A 48-480VAC/24VAC CONTROL	**$**	**425.10**
SRH3-4430	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/30A 48-480VAC/90-240VAC CONTROL	**$**	**282.30**
SRH3-4450	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/50A 48-480VAC/90-240VAC CONTROL	**$**	**381.00**
SRH3-4475	SSR, INTEGRAL HEATSINK, DIN MOUNT, 3PH/75A 48-480VAC/90-240VAC CONTROL	**$**	**425.10**

Important Mounting Information for SSRs Any panel mount Solid State Relay must be mounted to a clean, bare (non-painted) surface that is free of oxidation. Heatsink recommendations made above are dependent on the ambient temperature and mounting position. Failure to provide adequate heatsinking will cause a solid state relay to fail, as they will thermally self destruct under load. Our heatsinks are BLACK ANODIZED to provide more efficient heat dissipation than clear or gold anodized units.The use of thermal transfer pads or thermal grease is a must to ensure maximum heat draw from the SSR to the heatsink. Since airflow will also affect its performance, a heatsink should be mounted in a manner that assures unrestricted airflow over its surface. Recommended mounting is on a vertical surface, with the fins oriented vertically, so that air may flow unimpeded along the surfaces of the heatsink. Horizontal or inverted mounting is possible but not recommended, and the SSR must be derated accordingly. All Solid State Relays are capable of running at full rated power with proper heatsinking. However, it is strongly suggested that they be used at no more than 80% power to provide a safety margin in case of higher than expected voltage, temperature, dirt on the heatsink, etc. Warrantys may be void if correct mounting procedures for SSRs are not followed...

Timer Functions

Carrel-Electrade offers a wide array of timers for any process control application. Whatever the problem, we have your timing solution. The following is a description of the more commonly utilised timing relay functions available to assist in your selection process; some other specialist functions not described here are also available...

Delay-ON (Type A, AI, 0) The timer is normally de-energised. When power is applied the timing process starts. At the end of the pre-determined time delay, the output relay energises. The output remains energised until power is removed from the timer

One-shot/Interval with Control Signal (Type B, DE, H) The timer is normally energised. The closing of the signal switch energises the output relay immediately. The output de-energises at the end of the pre-determined time delay. The timer operates once only, regardless of the number of times the signal switch is closed during the timing cycle. The signal switch input can be momentary or maintained

Delay-OFF or Interval (Type DI, H) The timer is normally de-energised. When power is applied the timing process starts and the output relay energises. The output is de-energised at the end of the pre-determined time delay. The power is removed to reset the timer for the next operation.

Delay-OFF with control signal (Type C, BE) The timer is normally energised. The closing of the signal switch energises the output relay immediately. Timing begins when the signal switch input is removed. The output relay de-energises at the end of the pre-determined time delay. If the signal switch is closed during the timing cycle, timing ends and begins again when it is removed.

Symmetrical Recycling (Type D, Di, SW,1, 2) The timer is normally de-energised. When power is applied an “on/off” cycle begins. The “on” and “off” times are equal, and the cycle continues as long as power is applied. Type “D” begins with the “off” cycle, while type “Di” and type “SW” begin with the “on” cycle.

Asymmetrical Recycling (Type L, Li) The timer is normally de-energised. When power is applied an “on/off” cycle begins. The “on” and “off” times are set independently, and the cycle continues as long as power is applied. Type “L” begins with the “off” cycle, while type “Li” begins with the “on” cycle.

Power-OFF Delay (Type BI, K) Sometimes called True Delay-OFF, the timer is normally energised. The output relay energises immediately the power is applied, when power is removed the relay de-energises after the pre-determined time delay

Star-Delta (Type Q, SD) The timer is normally de-energised. When power is applied , and after the pre-determined time delay, the “star” contact opens. The “delta” contact closes after a small fixed time delay. The power is removed to reset the timer for the next operation

Timed Step or Impulse Relay (Type IT) The timer is normally energised. On the closing of the signal switch the output contacts transfer and remain so. After the opening of the signal switch the contact remain transferred for the duration of the preset delay. During the timing period it is possible to immediately transfer the output contacts with a further impulse on the signal switch. This is the function often used on spa pool timers

Fixed Pulse Delayed (Type GI, 3) The timer is normally de-energised. When power is applied the timing process starts. At the end of the pre-determined time delay, the output relay energises for a fixed time of 0.5secs and then resets

Delay-ON with control signal (Type AE) As type A above, but the timer is normally energised, and the timing process begins when a signal switch is applied.

Interval with control signal off (retriggerable - Type EEa) The timer is normally energised. On the opening of the signal switch the output contacts transfer and remain so for the duration of the preset delay, after which they reset.

Interval with control signal on and off (Type FE) The timer is normally energised. Both the opening and closing of the signal switch initiates the transfer of the output contacts. In both instances the contacts reset after the preset delay has elapsed.

Pulse Delayed with control signal on (Type GE) The timer is normally energised. Closing the signal switch initiates the preset delay, after which the output contacts transfer. Reset occurs after a fixed time of 0.25s

Watchdog (retriggerable interval with control signal on - Type WD) The timer is normally energised. On the opening of the signal switch the output contacts transfer and remain so for the duration of the preset delay, after which they reset.; subsequent closures of the control signal restart the preset delay time. If the closure of the signal switch is longer than the preset time, the output contacts reset.

Shower Function (off-delay with control signal and pause signal - Type SHp) The timer is normally denergised. Closing the signal switch immediately transfers the output contacts. Opening the signal switch initiates the preset delay, after which the output contacts reset. Closure of the pause switch will immediately halt the timing process and transfer the output contacts, but the elapsed time will be retained. on opening the pause switch, the contacts transfer again and timing resumes from the retained value

Impulse on energising (3) On application of the supply voltage, the output is instantly switched ON for the preset time duration (T) after which it is switched off.

Accumulative Delay ON signal (4) On application of the supply voltage, the preset timing duration commences. When the input signal is applied the timing pauses and resumes only when the output signal is removed. The output is switched ON at the end of the preset time duration.

Accumulative Delay on Inverted signal (5) On application of the supply voltage and input signal, the preset timing duration commences.When the signal is removed the timing is paused and resumed when the signal is reapplied.The OUTPUT is switched ON at the end of the preset time duration (T).

Accumulative Impulse on Signal (6) On application of the supply voltage the OUTPUT is switched ON and the preset timing duration commences. When the signal is applied the timing pauses and resumes when the signal is removed. The output is switched OFF at the end of the preset time duration (T).

Signal ON Delay (7) On application of the input signal, the preset time duration (T) starts. On completion of the preset time, the output is switched ON and remains ON until the input signal is present.

Inverted Signal ON Delay (8) On application of the supply voltage the preset time duration (T) starts. When the input signal is applied, the timing pauses and resumes only when the signal is removed. On completion of the preset time, the output is switched ON.

Signal OFF Delay (E, 9) On application of the supply voltage and input signal, the output is switched ON. When the signal is removed the preset time duration commences and the output is switched OFF at the end of the time duration.

Impulse ON/OFF (A) On application or removal of the input signal the output is swiched ON and the preset time duration (T) starts. On completion of the preset time the output is switched ON. On removal of the input signal, the preset time period starts again and the output is switched ON when the preset time duration is complete

Signal Off/On (b) On application of input signal, the preset delay time period (T) starts. On completion of the preset time, the output is switched ON. On removal of input signal, the preset time period starts again and the output is switched ON when the preset time duration is complete.

Leading Edge Impulse (C) On application of input signal the output is immediately switched ON. The output remains ON for the preset time duration (T) after which it is switched OFF. If the input signal is removed during the preset time, the output remains unaffected.

Leading Edge Impulse 2 (d) On application of input signal the output is immediately switched ON. The output remains ON for the preset time duration (T) after which it is switched OFF. If the input signal is removed during the preset time, the output is immediately switched OFF

Trailing Edge Impulse 1 (E) When the input signal to the timer is removed, the output is immediately switched ON for the preset time duration (T) after which it is switched OFF. If the input signal is applied during the preset time, the output is immediately switched OFF.

Trailing Edge Impulse 2 (F) When the input signal to the timer is removed, the output is immediately switched ON for the preset time duration (T) after which it is switched OFF. If the nput signal is applied during the preset time, the output remains unaffected.

Delayed Impulse (G) On application of input signal, the preset ‘OFF’ time duration (TOFF) starts. The output is switched ON at the end of the preset ‘OFF’ time duration & the preset ‘ON’ time duration commences irrespective of signal level and remains ON till the completion of ‘T ON’.

Inverted Signal On Delay type 2 (H) Timing starts only upon signal ‘S’ transition high to low. During timing or after completion of Time (i.e. relay on), any signal transition is ignored. To reset the timer supply has to be interrupted

Due to volatile international material costs, prices may change at short notice.
check before ordering

TIMERS

CEL - R-ELT Emergency Light Test Timer DIN Rail Mounted, 17.5mm wide

Emergency lighting test timer with remote-operate facility, designed to facilitate the testing procedures of emergency lighting systems, with selectable time intervals to carry out both the functional test and the full load duration test. The R-ELT is easy to operate from the front-face button or a remote push button to both activate the timing cycle and select the time interval. Time intervals are 60, 90 and 120 minutes standard, with other time ranges on request, as special versions. The R-ELT has a SPCO 10A AC1 (non-inductive) output relay contact

R-ELT-230V	EMERGENCY LIGHT TEST TIMER, 230Vac, STANDARD, 60, 90, 120 MINUTE RANGE	$	163.70
R-ELT-230V-30-60-90	EMERGENCY LIGHT TEST TIMER 230Vac, 30, 60, 90 MINUTE RANGES	$	166.70
R-ELT-SPECIAL	EMERGENCY LIGHT TEST TIMER 230VAC - NON STANDARD RANGE	$	163.70
R-ELT-230V-DIN	EMERGENCY LIGHT TEST TIMER 230VAC, MOUNTED ON DIN RAIL WITH 4P CONTACTOR	$	363.60
R-ELT-230V-CB1	EMERGENCY LIGHT TEST TIMER 230VAC, IN LOCKABLE ENCLOSURE WITH 4P CONTACTOR	$	522.20

CROUZET Chronos2 DIN Rail Timers

MAR1	DELAY-ON (A) 0.1s/100h,1CO10A@250VAC/DC, 24-240AC/24DC	$	164.20
MAS5	TIMER DELAY-ON (A), 0.1s/100h SOLID STATE 0.7A O/P, 24-240AC/24DC	$	164.20
MCR1	TIMER DELAY-OFF (C), 0.1s/100h,1CO10A@250VAC/DC, 24-240AC/24VDC	$	177.10
MLR1	TIMER ASYMETRICAL RECYCLE (LI), 0.1s/100h,1CO10A@250VAC/DC, 24-240AC/24DC	$	211.00
MUR3	TIMER MULTI (A,AT,B,C,H,HT,D,DI,AC,BW), 0.1s/100h,1CO10A@250VAC/DC, 12-240VAC/DC	$	216.90
MXR1	TIMER, TIMED IMPULSE RELAY 0.1s/100h,1CO10A@250VAC/DC, 24-240AC/24DC	$	279.90
RQR1	TIMER STAR-DELTA (Q), 20-140ms, 8A@250VAC/DC, 24/240VAC (88827175)	$	301.70

FINDER DIN Rail analogue Timers

FINDER 80 Series multifunction/multivoltage (12-240Vac/dc) DIN rail mounted timers, 17.5mm wide, timing ranges from 0.1s to 24h

80.01-12/240	TIMER MULTI (AI,DI,SW,BE,CE,DE), 0.1S-24h,1CO 16/30A@250/400VAC,12-240VAC/DC	$	192.80
80.61-240-AC	TIMER TRUE POWER-OFF DELAY (BI), >3MIN,1CO 8/15A@250/400VAC, 24-240VAC/DC	$	228.90
80.71-24/240	TIMER MULTIFUNCTION (AI,DI,SW,BE,CE,DE), 0.1s - 24h, SSR/1A,12-240VAC/DC	$	197.00
80.82-240	TIMER STAR-DELTA (SD), 0.05-1min, 2NO 6/10A@250/400VAC,12-240VAC/DC	$	198.30
80.91-12/240	TIMER ASYM RECYCLING (LI), 0.1s - 20h, 1CO 16/30A@250/400VAC,12-240VAC/DC	$	201.50

FINDER 83 Series - WITH REMOTE POTENTIOMETER

FINDER 83 Series multifunction/multivoltage (24-240Vac/dc) DIN rail mounted timers, 22.5mm wide, featuring 8 time scales offering a timing range from 0.05secs to 10 days, models with external potentiometer capability for ease of operator adjustment, and 2 timed or 1 timed + 1 instantaneous contact options

83.01-240	TIMER MULTI (AI,DI,GI,SW,BE,CE,DE,WD), 1CO 16A@250VAC, 24-240VAC/DC	$	193.10
83.02-240	TIMER MULTI (AI,DI,GI,SW,BE,CE,DE,WD), 2CO 16A@250VAC, 24-240VAC/DC, EXT POT	$	257.60
83.52-240	TIMER MULTI (AIE,EEa,FE,GE,IT,BEp,DEp,SHp), 2CO 16A@250VAC,24-240VAC/DC, EXT POT	$	257.60
83.62-230	TIMER, TRUE POWER-OFF DELAY (BI) >3MIN, 2 CO, 24-240VAC/DC	$	257.60
087-POT	EXTERNAL R10K POT FOR 83.02/83.52 TIMER	$	287.90

FINDER Plug-in Timers

85.02-012	MULTIFUNCTION TIMER, 2CO 10A/250VAC, 12VAC/DC, PLUG-IN	$	134.30
85.02-024	MULTIFUNCTION TIMER, 2CO 10A/250VAC, 24VAC/DC, PLUG-IN	$	134.30
85.02-110	MULTIFUNCTION TIMER, 2CO 10A/250VAC, 110VAC/DC, PLUG-IN	$	134.30
85.02-240	MULTIFUNCTION TIMER, 2CO 10A/250VAC, 240VAC, PLUG-IN	$	134.30
85.04-110	TIMER 110VAC/DC 4CO 7A/250VAC, 230VAC *NON-STK*	$	134.30
85.04-240	TIMER 240VAC/DC 4CO 7A/250VAC, 230VAC *NON-STK*	$	134.30
BASE94-02	BASE, DIN RAIL FOR 55.32 RELAYS AND 85 SERIES TIMERS	$	17.50
BASE94-04	BASE, DIN RAIL FOR 55.34 RELAYS AND 85 SERIES TIMERS	$	17.50

88.02-24/230	TIMER, MULTIFUNCTION ANALOG, 48x48mm, 2CO 8A@250VAC, 24-240VAC/DC 11 PIN PLUG-IN	$	326.30
88.12-24/230	TIMER, MULTIFUNCTION ANALOG, 48x48mm, 2CO 8A@250VAC, 24-240VAC/DC 8 PIN PLUG-IN	$	326.30
88.92-12/240	TIMER ASYMMETRICAL RECYCLING, 48x48mm, 2CO 8A@250VAC,12-240VAC/DC 8 PIN PLUG-IIN	$	457.60
BASE90-02	BASE, DIN RAIL, 8PIN, FOR 60.12 RELAYS	$	18.60
BASE90-03	BASE, DIN RAIL,11PIN FOR 60.13 RELAYS AND 86.00 TIMER	$	18.60

AUTONICS AT Series Timers (48x48mm), Plug-in

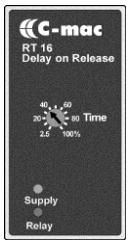
48 x 48mm Multi-Function, Multi-Range (0.05sec to 100hrs), plug-in. Timed and instantaneous contacts depending on mode

AT8N	TIMER MULTIRANGE 100-240VAC/24-240VDC, 8 PIN PLUG-IN	$	126.90
AT11DN	TIMER MULTIRANGE 100-240VAC/24-240VDC,11 PIN PLUG-IN	$	142.80
BASE90-20	BASE, DIN RAIL, 8 PIN FOR 60.12, 88.92 RELAYS	$	17.50
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	$	17.50

Due to volatile international material costs, prices may change at short notice.
check before ordering

COMADAN RT10, RT12, RT14, RT16 Timer Relays, 11 Pin Plug-In

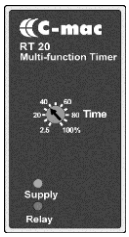
Fixed time-range timers; please specify time range required when ordering



RT10-1-1-230-15S	TIMER, DELAY ON OPERATE, 15 SEC RANGE, 230VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT10-2-1-115	TIMER, DELAY ON OPERATE, 115VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT10-2-1-230	TIMER, DELAY ON OPERATE, 230VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT10-2-2-024	TIMER, DELAY ON OPERATE, 24VAC/DC, 11 PIN PLUG-IN	**$**	**266.60**
RT10-NON-STK	TIMER, DELAY ON OPERATE, NON-STANDARD RANGE, 11 PIN PLUG-IN		**POA**
RT12-2-1-115	TIMER, INTERVAL, 115VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT12-2-1-230	TIMER, INTERVAL, 230VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT12-2-1-230-10M	TIMER, INTERVAL, 10 MIN RANGE, 230VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT12-2-2-024	TIMER, INTERVAL, 24VAC/DC, 11 PIN PLUG-IN	**$**	**266.60**
RT12-NON-STK	TIMER, INTERVAL, NON STANDARD RANGE, 11 PIN PLUG-IN		**POA**
RT14-2-1-115	TIMER, SYMETRICAL RECYCLE, 115VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT14-2-1-230	TIMER, SYMETRICAL RECYCLE, 230VAC, 11 PIN PLUG-IN	**$**	**266.60**
RT14-2-2-024	TIMER, SYMETRICAL RECYCLE, 24VAC/DC, 11 PIN PLUG-IN	**$**	**266.60**
RT14-NON-STK	TIMER, SYMETRICAL RECYCLE, NON STANDARD RANGE, 11 PIN PLUG-IN		**POA**
RT16-2-1-115	TIMER, DELAY ON RELEASE, 0-60S,115VAC, 11 PIN PLUG-IN	**$**	**465.30**
RT16-2-1-230	TIMER, DELAY ON RELEASE, 0-60S,230VAC, 11 PIN PLUG-IN	**$**	**465.30**
RT16-2-2-024	TIMER, DELAY ON RELEASE, 0-60S,24VAC/DC, 11 PIN PLUG-IN	**$**	**465.30**

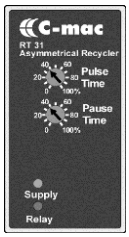
COMADAN RT20 - Multifunction Timer Relay, 11 Pin Plug-In

Delay on operate, Delay on release, Interval and Symmetrical recycle. 4 time ranges (0.4 sec - 64 min), 1 x 8A C/O contact



RT20-2-1-024-M1	TIMER, MULTIFUNCTION, 0.06S-640S, 24VAC/DC, 11 PIN PLUG-IN	**$**	**314.90**
RT20-2-1-024-M2	TIMER, MULTIFUNCTION, 0.4S-64MIN, 24VAC/DC, 11 PIN PLUG-IN	**$**	**314.90**
RT20-2-1-115-M2	TIMER, MULTIFUNCTION, 0.4S-64MIN, 115VAC, 11 PIN PLUG-IN	**$**	**314.90**
RT20-2-1-230-M2	TIMER, MULTIFUNCTION, 0.4S-64MIN 230VAC, 11 PIN PLUG-IN	**$**	**314.90**
RT20-NON-STK	TIMER, MULTIFUNCTION, NON STANDARD RANGE, 11 PIN PLUG-IN		**POA**

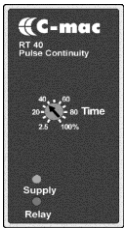
COMADAN RT31 - Asymmetrical Recycler Timer Relay, 11 Pin Plug-In



RT31-2-1-115-M2	ASYMMETRICAL RECYCLING TIMER, 1 CO 8A@250VAC, 115VAC, 11 PIN PLUG-IN	**$**	**306.90**
RT31-2-1-230-M2	ASYMMETRICAL RECYCLING TIMER, 1 CO 8A@250VAC, 230VAC, 11 PIN PLUG-IN	**$**	**306.90**
RT31-2-2-024-M2	ASYMMETRICAL RECYCLING TIMER, 2 CO 5A@250VAC, 24VAC/DC, 11 PIN PLUG-IN	**$**	**318.60**
RT31-NON-STK	ASYMMETRICAL RECYCLING TIMER - NON STANDARD RANGE, 11 PIN PLUG-IN		**POA**

COMADAN RT40 – Pulse Continuity Timer Relay, 11 Pin Plug-In

Accepts pulses from NPN/PNP or NAMUR sensors. Ideal for detecting conveyor belt breakages or flywheel and fanblade stoppages. 4 time range from 0.4sec - 64 min, 1 x 8A C/O contact



RT40-1-1-024-M2	PULSE CONTINUITY RELAY, NAMUR, NPN/PNP, CONTACT INPUT, 1 CO, 24VAC, 11 PIN	**$**	**291.40**
RT40-1-1-115-M2	PULSE CONTINUITY RELAY, NAMUR, NPN/PNP, CONTACT INPUT, 1 CO, 115VAC, 11 PIN	**$**	**291.40**
RT40-1-1-230-M2	PULSE CONTINUITY RELAY, NAMUR, NPN/PNP, CONTACT INPUT, 1 CO, 230VAC, 11 PIN	**$**	**291.40**
RT40-1-2-024-M2	PULSE CONTINUITY RELAY, NAMUR, NPN/PNP, CONTACT INPUT, 2 CO, 24VAC/DC, 11 PIN	**$**	**291.40**

Accessories for COMADAN Timer Relays

BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**
CMAC-SPRING CLIP	RELAY RETAINING SPRING CLIP FOR ZB11 RELAY BASE	**$**	**12.30**
CMAC-DC-SUPPLY-12	DC POWER SUPPLY,12-50VDC, FOR COMADAN RELAYS	**$**	**211.20**
CMAC-DC-SUPPLY-48	DC POWER SUPPLY, 85-370VDC, FOR COMADAN RELAYS	**$**	**310.70**

DIGITAL TIMERS

Autonics Digital CT6 Counter-Timer Range

A very versatile Counter/Timer for production control applications such as length measurement, volume or quantity. Functions include a Timer to 9999.99s and 9999h 59m. Count up/down or bi-directional (10kcps), batch counting. Onboard pre-scaler and sensor supply (12Vdc). Takes NPN,PNP or contact input. Output 1 x SPST relay, 1 x SPDT relay (2A @ 250Vac) plus 3x isolated NPN open collector outputs rated 100mA @30Vdc

CT6M-1P2	TIMER-COUNTER 72x72mm,1 PRE-SET, 24VAC, 24-48VDC	$	372.80
CT6M-2P4	TIMER-COUNTER 72x72mm, 2 PRE-SET,110-240VAC	$	372.80
CT6S-1P4	TIMER-COUNTER 48x48mm,1 PRESET,110-240VAC	$	196.00
CT6Y-1P2	TIMER-COUNTER 72x36mm 24VAC, 24-48VDC	$	372.80
CT6Y-1P4T	TIMER-COUNTER 72x36mm,100-240VAC, MODBUS COMMS	$	445.50

FINDER DIN Rail Digital Multifunction Timers

FINDER 84 Series SMARTimer DIN rail mounted digital timers Programmable via smartphone with NFC communications or via front-panel joystick control. 2 in 1: two independent channels with 25 functions per channel, large backlit display, 0.1sec to 9999 hours

84.02-024	DIGITAL MULTIFUNCTION TIMER, NFC, 12-24VAC/DC. 2 INDEPENDENT CHANNELS	$	379.40
84.02-240	DIGITAL MULTIFUNCTION TIMER, NFC, 110-240VAC/DC. 2 INDEPENDENT CHANNELS	$	379.40
83.52-240	TIMER MULTI (AIE,EEa,FE,GE,IT,BEp,DEp,SHp), 2CO 16A@250VAC,24-240VAC/DC, EXT POT	$	257.60
83.62-230	TIMER, TRUE POWER-OFF DELAY (BI) >3MIN, 2 CO, 24-240VAC/DC	$	257.60
087-POT	EXTERNAL R10K POT FOR 83.02/83.52 TIMER	$	287.90

86.00-240	MULTIFUNCTION TIMER MODULE, 12-240VAC/DC, USE WITH 90.02, 90.03, 96.04 SOCKETS	$	134.30

DIGICON DIN-rail Digital Timer - 8 or 18 non signal and signal based functions 17.5mm wide

DIGICON-V0DDTS	DIGITAL TIMER 8 FUNCTIONS MULTI-VOLTAGE 0730GR1	$	130.90
DIGICON-V0DDTS1	DIGITAL TIMER 18 FUNCTIONS MULTI-VOLTAGE	$	141.80

AUTONICS LES Series Timers (48x48mm), Digital Timers

Multi function Digital Timer - Autonics (LE4S Series) - Supply voltage (50/60Hz) 24-240Vac - DIN 48x48mm - Backlight LCD (4 digit) - Signal ON start type - (Output mode) 10 operation modes - Control outputs (Time limit) 1 x (Control output) Single Pole Double Throw (SPDT) and Double Pole Double Thros (DPDT) Configurable for 1 Inst+ 1 delayed

LE4S	DIGITAL LCD TIMER, 48x48mm, MULTIFUNCTION, 24-240VACDC, 0.01S-9999HR, SPDT	$	158.00
LE4SA	DIGITAL LCD TIMER, 48x48mm, MULTIFUNCTION, 24-240VACDC, 0.01S-9999HR, DPDT	$	162.00

PIXSYS TIMER-COUNTER- TACHOMETER

TCT201-1ABC	TIMER, 4+4 DIGIT, 48x48mm, 3DI, 2 RELAY OUTPUT, 24VAC/DC/230VAC	$	431.89
TCT201-2ABC	COUNTER, 4+4 DIGIT, 48x48mm, 3DI, 2 RELAY OUTPUT, 24VAC/DC/230VAC	$	468.79
TCT201-3ABC	TACHOMETER, 4+4 DIGIT, 48x48mm, 3DI, 2 RELAY OUTPUT, 24VAC/DC/230VAC	$	468.79

FINDER Time Switches Din Rail Mount, SP C/O Contacts, 16A contacts

FINDER Time Switches Din Rail Mount, SP C/O Contacts, 16A contacts

12.01-230-AC	TIMESWITCH, ANALOG, 24hr, 30min SET INTERVAL,1CO16A@250VAC, 230VAC	$	273.60
12.11-230-AC	TIMESWITCH, ANALOG, 24hr,15min SET INTERVAL,1CO16A@250VAC, 230VAC	$	256.30
12.21-230-AC	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL,1CO16A@250VAC, 230VAC	$	323.70
12.21-24	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL,1CO16A@250VAC, 230VAC	$	323.70
12.22-12/24	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL,1CO16A@250VAC, 24VAC/DC	$	347.00
12.22-230-AC	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL, 2CO16A@250VAC, 230VAC	$	373.60
12.31-230-AC	TIMESWITCH, ANALOG, DAILY,1CO 16A, FOR BACK PANEL MOUNT 72x72mm, 230VAC	$	228.90
12.31-230-AC-7DAY	TIMESWITCH, ANALOG, 7 DAY,1CO 16A, FOR BACK PANEL MOUNT 72x72mm, 230VAC	$	269.20
12.51-230-AC	TIMESWITCH, DIGITAL, 24hr/7 DAY, 30 MIN SET INTERVAL,1CO16A@250VAC, 230VAC	$	277.80
12.61-12/24	TIMESWITCH, DIGITAL, 7 DAY, NFC,1min SET INTERVAL,1CO16A@250VAC,12-24VAC/DC	$	366.40
12.61-230	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL,1CO16A@250VAC,110-230VAC/DC	$	331.90
12.62-230	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL, 2CO16A@250VAC,110-230VAC/DC	$	379.30
12.71-024	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL,1CO16A@250VAC, 24VAC/DC	$	362.50
12.71-230-AC	TIMESWITCH, DIGITAL, 7 DAY,1min SET INTERVAL,1CO16A@250VAC, 230VAC	$	340.50
12.A1-230-AC	TIMESWITCH, DIGITAL, ASTRONOMIC, 7 DAY,1CO16A@250VAC,110-230VAC	$	359.50
12.A1-24-AC/DC	TIMESWITCH, DIGITAL, ASTRONOMIC, 7 DAY,1CO16A@250VAC, 24VAC/DC	$	314.70
12.A2-230-AC	TIMESWITCH, DIGITAL, ASTRONOMIC, 7 DAY, 2CO16A@250VAC,110-230VAC	$	430.70
12.A2-24-AC/DC	TIMESWITCH, DIGITAL, ASTRONOMIC, 7 DAY, 2CO16A@250VAC, 12- 24VAC/DC	$	474.10
12.B2-230-AC	TIMESWITCH, DIGITAL, ASTRONOMIC, BT+NFC,YEARLY-WEEKLY, 2CO16A@250VAC, 230VAC	$	467.60
12.C1-230-AC	TIMESWITCH, DIGITAL WEEKLY ASTRO WITH BLUETOOTH, SPST 10A, 110-230VAC	$	205.00

FINDER LIGHTING CONTROLS AND P.I.R. SENSORS

FINDER Daylight Switches, Dimmers, PIR Sensors,

FINDER Daylight Switches

10.41-230-AC	DAYLIGHT SWITCH,1NO16A@250VAC	**$**	**164.60**
10.61-230-AC	DAYLIGHT SWITCH 80mm DIA/18mm MOUNT, 1 NO 16A@250VAC	**$**	**164.60**
11.31-024	DAYLIGHT SWITCH, SURFACE MTG HEAD, ADJUSTABLE 1-100 LUX,1NO16A@250VAC,12-24VAC/D	**$**	**193.40**
11.31-230	DAYLIGHT SWITCH, SURFACE MTG HEAD, ADJUSTABLE 1-100 LUX,1NO16A@250VAC, 230VAC	**$**	**160.00**
11.31-230-03	DAYLIGHT SWITCH, 1-100 LUX,1NO16A@250VAC,11.03 HEAD (11.31.8.230.0000.POA)	**$**	**179.70**
11.41-230	DAYLIGHT SWITCH, SURFACE MOUNT HEAD,1 CHANNEL,1NO12A@250VAC	**$**	**262.80**
11.42-230	DAYLIGHT SWITCH, SURFACE MOUNT HEAD, 2 CHANNEL,1CO+1NO 12A@250VAC	**$**	**318.60**
11.91-230	DAYLIGHT + DAILY TIME SWITCH, 230VAC	**$**	**394.30**
11.02-HEAD	DAYLIGHT SWITCH SURFACE MOUNT SENSOR HEAD, FOR 11.31/41/42/91 RELAYS	**$**	**41.50**
11.03-HEAD	DAYLIGHT SWITCH, FLUSH MOUNT SENSOR HEAD 11.31/42 SERIES	**$**	**74.60**

FINDER Lighting Dimmers

Electronic step relay/dimmer for control of lighting levels via a short pulse, or ramped up or down using a longer pulse, both leading and trailing edge operation. The 15.10/15.11 system employs a master/slave dimming system to provide proportional control of multiple lamps of multiple types in the same circuit, and is suitable for halogen lamps, dimmable LED lamps, dimmable CFL lamps, electronic transformers and electromagnetic transformers to a maximum 32 units, operated by up to 15 illuminated pushbuttons for complete control. The balance of the 15 series are stand-alone units for single circuit control.

15.10-230	MASTER DIMMER,100W, 230VAC/ 0-10V OUTPUT	**$**	**206.50**
15.11-230	SLAVE DIMMER, 400W, 230VAC/ 0-10V INPUT	**$**	**256.10**
15.51-230	ELECTRONIC STEP RELAY- DIMMER, 230VAC	**$**	**135.90**
15.81-230	DIMMER, 500W, 230VAC 45-65HZ FOR LED LAMPS	**$**	**180.50**
15.91-230	ELECTRONIC DIMMER, 50W, LED LAMPS, 230VAC	**$**	**135.90**

FINDER Passive Infra-Red Movement Detector

18.01-230-AC	PIR MOVEMENT SENSOR, INTERNAL INSTALLATION, SURFACE MOUNT, 1 NO 10A@250VAC	**$**	**143.60**
18.11-230-AC	PIR MOVEMENT SENSOR, EXTERNAL INSTALLATION IP54, SURFACE MOUNT, 1 NO 10A@250VAC	**$**	**169.60**
18.21-230-AC	PIR MOVEMENT SENSOR, CEILING MOUNTED,1NO 10A@250VAC	**$**	**219.10**
18.31-230-AC	PIR MOVEMENT SENSOR, RECESSED MOUNT, 1CO 10A@ 250VAC	**$**	**219.10**
18.31-230-HI-BAY	PIR MOVEMENT SENSOR, HI-BAY APPLICATIONS TO 6M, 1NO 10A@250VAC	**$**	**241.00**

Due to volatile international material costs, prices may change at short notice.
check before ordering

PUSHBUTTONS AND INDICATORS

Rocker Switches and Panel Mount Indicators

MKA1	RED LED 9mm Ø, 6.3mm QC, FLAT LENS, 230VAC	$	6.40
MKA2	GREEN LED 9mm Ø, 6.3mm QC, FLAT LENS, 230VAC	$	7.40
MKA3	AMBER LED 9mm Ø, 6.3mm QC, FLAT LENS, 230VAC	$	6.40
MKA5	GREEN LED 12mm Ø, 6.3mm QC, LENS, 230VAC	$	9.10
MKA6	AMBER LED 12mm Ø, 6.3mm QC, LENS, 230VAC	$	7.40
MKB1	RED LED 9mm Ø, WITH LEADS, FLAT LENS, 230VAC	$	6.40
MKB2	GREEN LED 9mm Ø, WITH LEADS, FLAT LENS, 230VAC	$	7.40
MKB3	AMBER LED 9mm Ø, WITH LEADS, FLAT LENS, 230VAC	$	6.40
MKC1	RED NEON 12mm Ø, FLAT LENS WITH LEADS, 230VAC	$	7.40
MKC2	GREEN NEON 12mm Ø, FLAT LENS WITH LEADS, 230VAC	$	9.10
MKC3	AMBER NEON 12mm Ø, FLAT LENS WITH LEADS, 230VAC	$	7.40
MKE3	RED-BLACK ROCKER SWITCH, 30x12mm,16A SPST, 230VAC	$	13.10
MKE4	AMBER-BLACK ROCKER SWITCH, O/I MARKING, 30x12mm,16A SPST, 230VAC	$	13.10
MKE5	RED-BLACK ROCKER SWITCH, O/I MARKING, 30x12mm,16A SPST, 230VAC	$	13.10
MKG4	RED-BLACK ROCKER SWITCH, O/I MARKING, 30x25mm,16A DPST, 230VAC	$	13.20
MKG5	GREEN-BLACK ROCKER SWITCH, O/I MARKING, 30x25mm,16A DPST, 230VAC	$	13.20

Rafi Momentary (Impulse) Pushbuttons

1010010-01B	PUSHBUTTON 15mm, MOMENTARY,1NO 0.7A@ 250VAC, BLACK, (1.10.001.001-0104)	$	16.10
1010010-01G	PUSHBUTTON 15mm, MOMENTARY,1NO 0.7A@ 250VAC, GREEN,(1.10.001.001.0507)	$	16.10
1100010-01R	PUSHBUTTON 15mm, MOMENTARY, 1NO 0.7A@250VAC, RED, (1.10.001.001/0301)	$	16.10
1100011-51R	PUSHBUTTON 15mm, MOMENTARY, 1NC 0.7A@250VAC, RED, (1.10.001.151/0301)	$	16.10
1101020-01B	PUSHBUTTON 16mm, MOMENTARY, 1NO 2A@250VAC, BLACK, (1.10.102.001/0104)	$	29.60
1101020-01G	PUSHBUTTON 16mm, MOMENTARY, 1NO 2A@250VAC, GREEN, (1.10.102.001/0507)	$	29.60
1101020-01R	PUSHBUTTON 16mm, MOMENTARY, 1NO 2A@250VAC, RED, (1.10.102.001/0301)	$	29.60
1101020-11B	PUSHBUTTON 16mm, MOMENTARY, 1NO 2A@250VAC, BLACK (1.10.102.001/0104)	$	29.60
1101020-11G	PUSHBUTTON 16mm, MOMENTARY, 1NC 2A@250VAC, GREEN, (1.10102.011/0507)	$	29.60
1101020-11R	PUSHBUTTON 16mm, MOMENTARY, 1NC 2A@250VAC, RED, (1.10102.011/0301)	$	29.60
1011020-01B	PUSHBUTTON 18mm, MOMENTARY, 2NO 2A@ 250VAC, BLACK, (1.01.102.001/0104)	$	34.00
1011020-11B	PUSHBUTTON 18mm, MOMENTARY,1NO+1NC 2A@ 250VAC, BLACK, (1.01.102.011/0104)	$	34.00
1011020-11G	PUSHBUTTON 18mm, MOMENTARY,1NO+1NC 2A@ 250VAC, GREEN, (1.01.102.011/0507)	$	34.00
1011020-11R	PUSHBUTTON 18mm, MOMENTARY,1NO+1NC 2A@ 250VAC, RED, (1.01.102.011/0301)	$	34.00
1013010-01R	PUSHBUTTON 25mm, MOMENTARY,1NO 2.0A@ 250VAC,RED	$	62.20
1013010-11R	PUSHBUTTON 25mm, MOMENTARY,1NC 2.0A@ 250VAC, RED	$	62.20
1101023-21	PUSHBUTTON 30mm, MOMENTARY, 1NO 2A@250VAC, RED	$	29.60
1101023-31	PUSHBUTTON 15mm, MOMENTARY, 1NC 2A@250VAC, RED	$	29.60
1011020-SPANNER	SPANNER,18mm, FOR 1011020 SERIES PUSHBUTTON	$	25.30
5520080-65C	CLEAR CAP RAFI 18mm PUSHBUTTON IP65 (1011020)	$	9.50
5520081-15	CLEAR CAP 15+16mm RAFI PUSHBUTTON IP65 (101001)	$	6.30
5520080-61B	BLACK CAP RAFI 18mm PUSHBUTTON IP65	$	6.30
5520080-61R	RED CAP RAFI 18mm PUSHBUTTON IP65	$	6.30

Red and Black caps are obsolete but available while stock lasts

BARAN Piezo Pushbuttons

Solid State Piezo-electric Pushbuttons

SMA1-A-AW-1B	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NO, 0.2A , BLACK	$	102.10
SMA1-A-AW-1G	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NO, 0.2A , GREEN	$	102.10
SMA1-A-AW-1L	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NO, 0.2A , BLUE	$	102.10
SMA1-A-AW-1R	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NO, 0.2A , RED	$	102.10
SMA1-B-EW-1G	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NC, 0.2A , GREEN	$	102.10
SMA1-B-EW-1R	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NC, 0.2A , RED	$	102.10
SMF1-A-AW-1B	PIEZO PUSHBUTTON 22mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NO, 0.2A, BLACK	$	72.00
SMF6-A-AW-1B	PIEZO PUSHBUTTON 16mm, ALUMINIUM, MOMENTARY PULSE, 24VAC/DC 1NO, 0.2A , BLACK	$	72.00

SOLITRONICS Illuminated Pushbuttons, Pilot Lights and Buzzers

16mm diameter pushbuttons, momentary or latching, with built-in LED indication and matching pilot lights in amber, blue, green, red, white or yellow. Available in 18 x 24mm rectangle or 18mm round head size, 24Vac/dc or 240Vac versions

SE16D-240V-AM-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18X24 BEZEL, 2NO+2NC, AMBER	$	27.30
SE16D-240V-AM-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18X24 BEZEL, 2NO+2NC, AMBER	$	27.30
SE16D-240V-AM-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18mm Ø, 2NO+2NC, AMBER	$	27.30
SE16D-240V-AM-F3/L	PUSHBUTTON,16mm, LATCHING, LED, 240VAC,18mm Ø, 2NO+2NC, AMBER	$	27.30
SE16D-240V-BL-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, BLUE	$	27.30
SE16D-240V-BL-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, BLUE	$	27.30
SE16D-240V-BL-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18mm Ø, 2NO+2NC, BLUE	$	27.30
SE16D-240V-BL-F3/L	PUSHBUTTON,16mm, LATCHING, LED, 240VAC,18mm Ø, 2NO+2NC, BLUE	$	27.30
SE16D-240V-GR-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, GREEN	$	27.30
SE16D-240V-GR-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, GREEN	$	27.30
SE16D-240V-GR-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18mm Ø, 2NO+2NC, GREEN	$	27.30
SE16D-240V-GR-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18mm Ø, 2NO+2NC, GREEN	$	27.30
SE16D-240V-RD-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, RED	$	27.30
SE16D-240V-RD-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, RED	$	27.30
SE16D-240V-RD-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18mm Ø, 2NO+2NC, RED	$	27.30
SE16D-240V-RD-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18mm Ø, 2NO+2NC, RED	$	27.30
SE16D-240V-WH-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, WHITE	$	27.30
SE16D-240V-WH-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, WHITE	$	27.30
SE16D-240V-WH-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18mm Ø, 2NO+2NC, WHITE	$	27.30
SE16D-240V-WH-F3/L	PUSHBUTTON,16mm, LATCHING, LED, 240VAC,18mm Ø, 2NO+2NC, WHITE	$	27.30
SE16D-240V-YE-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, YELLOW	$	27.30
SE16D-240V-YE-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18x24mm BEZEL, 2NO+2NC, YELLOW	$	27.30
SE16D-240V-YE-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 240VAC,18mm Ø, 2NO+2NC, YELLOW	$	27.30
SE16D-240V-YE-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 240VAC,18mm Ø, 2NO+2NC, YELLOW	$	27.30
SE16D-24V-AM-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, AMBER	$	27.30
SE16D-24V-AM-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, AMBER	$	27.30
SE16D-24V-AM-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 24VACDC,18mm Ø, 2NO+2NC, AMBER	$	27.30
SE16D-24V-AM-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 24VACDC,18mm Ø, 2NO+2NC, AMBER	$	27.30
SE16D-24V-BL-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, BLUE	$	27.30
SE16D-24V-BL-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, BLUE	$	27.30
SE16D-24V-BL-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 24VACDC,18mm Ø, 2NO+2NC, BLUE	$	27.30
SE16D-24V-BL-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 24VACDC,18mm Ø, 2NO+2NC, BLUE	$	27.30
SE16D-24V-GR-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, GREEN	$	27.30
SE16D-24V-GR-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, GREEN	$	27.30
SE16D-24V-GR-F2	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x18mm BEZEL, 2NO+2NC, GREEN	$	27.30
SE16D-24V-GR-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 24VACDC,18mm Ø, 2NO+2NC, GREEN	$	27.30
SE16D-24V-GR-F3/L	PUSHBUTTON 16mm LATCHING, LED, 24VACDC,18mm Ø, 2NO+2NC, GREEN	$	27.30
SE16D-24V-RD-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, RED	$	27.30
SE16D-24V-RD-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, RED	$	27.30
SE16D-24V-RD-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 24VACDC,18mm Ø, 2NO+2NC, RED	$	27.30
SE16D-24V-RD-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 24VACDC,18mm Ø, 2NO+2NC, RED	$	27.30
SE16D-24V-WH-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, WHITE	$	27.30
SE16D-24V-WH-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, WHITE	$	27.30
SE16D-24V-WH-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 24VACDC,18mm Ø, 2NO+2NC, WHITE	$	27.30
SE16D-24V-WH-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 24VACDC,18mm Ø, 2NO+2NC, WHITE	$	27.30
SE16D-24V-YE-F1	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, YELLOW	$	27.30
SE16D-24V-YE-F1/L	PUSHBUTTON 16mm, LATCHING, LED, 24VAC/DC,18x24mm BEZEL, 2NO+2NC, YELLOW	$	27.30
SE16D-24V-YE-F2	PUSHBUTTON 16mm, MOMENTARY, LED, 24VAC/DC,18x18mm BEZEL, 2NO+2NC, YELLOW	$	27.30
SE16D-24V-YE-F3	PUSHBUTTON 16mm, MOMENTARY, LED, 24VACDC,18mm Ø, 2NO+2NC, YELLOW	$	27.30
SE16D-24V-YE-F3/L	PUSHBUTTON 16mm, LATCHING, LED, 24VACDC,18mm Ø, 2NO+2NC, YELLOW	$	27.30
SE16D-AC-F7	SE16D REAR MOUNT SOCKET SOLDER CONNECTOR	$	4.00
SE16D-BZ/FL-24V-RD	BUZZER 16mm ,PANEL MOUNT,18mm Ø, 80DB, 24VAC/DC, RED	$	33.70
SE16D-BZ-230V	BUZZER 16mm, PANEL MOUNT,18mm Ø, 80DB, 230VAC, BLACK	$	31.10
SE16D-BZ-24V	BUZZER 16mm, PANEL MOUNT,18mm Ø, 80DB, 24VAC/DC, BLACK	$	31.10
SE16DHF-SS11-2R-F3-K	SELECTOR SWITCH 16mm Ø, 2-POS LEFT-RIGHT MOMENTARY, 1NO+1NC	$	29.40
SE16D-IL-110V-RD	LED INDICATOR,16mm MOUNT,18mm Ø,110VAC/DC, RED	$	18.50
SE16D-IL-230V-AM	LED INDICATOR,16mm MOUNT,18mm Ø, 230VAC, AMBER	$	16.50
SE16D-IL-230V-BL	LED INDICATOR,16mm MOUNT,18mm Ø, 230VAC, BLUE	$	16.50
SE16D-IL-230V-GR	LED INDICATOR,16mm MOUNT,18mm Ø, 230VAC, GREEN	$	16.50
SE16D-IL-230V-RD	LED INDICATOR,16mm MOUNT,18mm Ø, 230VAC, RED	$	16.50
SE16D-IL-230V-WH	LED INDICATOR,16mm MOUNT,18mm Ø, 230VAC, WHITE	$	16.50
SE16D-IL-230V-YE	LED INDICATOR,16mm MOUNT,18mm Ø, 230VAC, YELLOW	$	16.50
SE16D-IL-24V-AM	LED INDICATOR,16mm MOUNT,18mm Ø, 24VAC/DC, AMBER	$	16.50
SE16D-IL-24V-BL	LED INDICATOR,16mm MOUNT,18mm Ø, 24VAC/DC, BLUE	$	16.50
SE16D-IL-24V-GR	LED INDICATOR,16mm MOUNT,18mm Ø, 24VAC/DC, GREEN	$	16.50
SE16D-IL-24V-RD	LED INDICATOR,16mm MOUNT,18mm Ø, 24VAC/DC, RED	$	16.50
SE16D-IL-24V-WH	LED INDICATOR,16mm MOUNT,18mm Ø, 24VAC/DC, WHITE	$	16.50
SE16D-IL-24V-YE	LED INDICATOR,16mm MOUNT,18mm Ø, 24VAC/DC, YELLOW	$	16.50
SE16D-PB-F3-CAP	SILICON CAP, IP67, FOR 18x18mm PUSHBUTTON	$	8.50

PILOT LIGHTS and Buzzers – 22mm Mounting, Multi-chip Long-life LED

Super-bright LED pilot lights with polycarbonate lens and diffuser/legend insert, screw terminals, low power consumption, long life, available in red, amber, green, blue and white

SEL-22D-12-240V-AMB	LED INDICATOR, 22mm, 12-240VAC/DC, AMBER	$	32.60
SEL-22D-12-240V-BLUE	LED INDICATOR, 22mm, 12-240VAC/DC, BLUE	$	32.60
SEL-22D-12-240V-GRN	LED INDICATOR, 22mm, 12-240VAC/DC, GREEN	$	32.60
SEL-22D-12-240V-RED	LED INDICATOR, 22mm, 12-240VAC/DC, RED	$	32.60
SEL-22D-12-240V-WHI	LED INDICATOR, 22mm, 12-240VAC/DC, WHITE	$	32.60
SEL-22D-FS-230V-RED	LED INDICATOR- SELF-FLASHING, 22mm PANEL MOUNT, 230VAC, RED	$	43.95
SEL-22D-BZ/FL-240-RD	LED INDICATOR + BUZZER, 22mm PANEL MOUNT, 29mm Ø, 80DB, 230VAC, RED	$	33.70
SEL-22D-BZ-230V	BUZZER, 22mm PANEL MOUNT, 29mm Ø, 80DB, 230VAC, BLACK	$	33.10
SEL-22D-BZ-24V	BUZZER, 22mm PANEL MOUNT, 29mm Ø, 80DB, 24VAC/DC, BLACK	$	33.10

PILOT LIGHTS for Switchboards and Control Panels 7mm dia

BD308-24V-GRN	LED INDICATOR, POLYCARB, 7mm Ø, SOLDER TERMINALS, 24VAC/DC, GREEN	$	15.20
BD308-24V-RED	LED INDICATOR, POLYCARB, 7mm Ø, SOLDER TERMINALS, 24VAC/DC, RED	$	15.20
BD308-24V-YEL	LED INDICATOR, POLYCARB, 7mm Ø, SOLDER TERMINALS, 24VAC/DC, YELLOW	$	15.20
8000LED-2.2V-GRN	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 2.2VDC, GREEN	$	17.50
8000LED-2.2V-RED	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 2.2VDC, RED	$	17.50
8000LED-12V-AMB	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 12VDC, AMBER	$	17.50
8000LED-12V-GRN	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 12VDC, GREEN	$	17.50
8000LED-12V-RED	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 12VDC, RED	$	17.50
8000LED-24V-AMB	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 24VDC, AMBER	$	17.50
8000LED-24V-GRN	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 24VDC, GREEN	$	17.50
8000LED-24V-RED	LED INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 24VDC, RED	$	17.50
BN259-110-RED	NEON INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 110VAC, RED	$	17.50
BN259-220-GRN	NEON INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 220VAC,GREEN	$	17.50
BN259-220-ORG	NEON INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 220VAC,ORANGE	$	17.50
BN259-220-RED	NEON INDICATOR, CHROME, 7mm Ø, SOLDER TERMINALS, 220VAC, RED	$	17.50

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PIZZATO 22mm CONTROL SWITCHES AND INDICATORS

Pizzato Indicator Lenses

PZ E2 IND-W	INDICATOR LENS, WHITE (E2 1ILA210)	$	12.20
PZ E2 IND-Y	INDICATOR LENS, WHITE (E2 1ILA210)	$	12.20
PZ E2 IND-G	INDICATOR LENS, GREEN (E2 1ILA410)	$	12.20
PZ E2 IND-R	INDICATOR LENS, RED (E2 1ILA310)	$	12.20
PZ E2 IND-B	INDICATOR LENS, BLUE (E2 1ILA610)	$	12.20
PZ E2 IND-O	INDICATOR LENS, ORANGE (E2 1ILA810)	$	12.20
PZ E2 IND-W	INDICATOR LENS, WHITE (E2 1ILA210)	$	12.20

Pizzato Non Illuminated Pushbutton Actuators (Maintained)

PZ E2 PBF-M-W-BB	P/B ACTUATOR, FLUSH, MAINTAINED, WHITE OPAQUE, BLACK BEZEL (E2 1PU1R2210)	$	36.60
PZ E2 PBF-M-Y-BB	P/B ACTUATOR, FLUSH, MAINTAINED, YELLOW OPAQUE, BLACK BEZEL (E2 1PU1R5210)	$	36.60
PZ E2 PBF-M-G-BB	P/B ACTUATOR, FLUSH, MAINTAINED, GREEN OPAQUE, BLACK BEZEL (E2 1PU1R4210)	$	36.60
PZ E2 PBF-M-R-BB	P/B ACTUATOR, FLUSH, MAINTAINED, RED OPAQUE, BLACK BEZEL (E2 1PU1R3210)	$	36.60
PZ E2 PBF-M-B-BB	P/B ACTUATOR, FLUSH, MAINTAINED, BLUE OPAQUE, BLACK BEZEL (E2 1PU1R6210)	$	36.60
PZ E2 PBF-M-O-BB	P/B ACTUATOR, FLUSH, MAINTAINED, ORANGE OPAQUE, BLACK BEZEL (E2 1PU1R8210)	$	36.60
PZ E2 PBF-M-W-BC	P/B ACTUATOR, FLUSH, MAINTAINED, WHITE OPAQUE, CHROME BEZEL (E2 1PU1R2290)	$	39.90
PZ E2 PBF-M-Y-BC	P/B ACTUATOR, FLUSH, MAINTAINED, YELLOW OPAQUE, CHROME BEZEL (E2 1PU1R5290)	$	39.90
PZ E2 PBF-M-G-BC	P/B ACTUATOR, FLUSH, MAINTAINED, GREEN OPAQUE, CHROME BEZEL (E2 1PU1R4290)	$	39.90
PZ E2 PBF-M-R-BC	P/B ACTUATOR, FLUSH, MAINTAINED, RED OPAQUE, CHROME BEZEL (E2 1PU1R3290)	$	39.90
PZ E2 PBF-M-B-BC	P/B ACTUATOR, FLUSH, MAINTAINED, BLUE OPAQUE, CHROME BEZEL (E2 1PU1R6290)	$	39.90
PZ E2 PBF-M-O-BC	P/B ACTUATOR, FLUSH, MAINTAINED, ORANGE OPAQUE, BLACK BEZEL (E2 1PU1R8290)	$	39.90

Pizzato Non Illuminated Pushbutton Actuators (Momentary)

PZ E2 PBF-W-BB	P/B ACTUATOR, FLUSH, MOMENTARY, WHITE OPAQUE, BLACK BEZEL (E2 1PU2R2210)	$	19.40
PZ E2 PBF-Y-BB	P/B ACTUATOR, FLUSH, MOMENTARY, YELLOW OPAQUE, BLACK BEZEL (E2 1PU2R5210)	$	19.40
PZ E2 PBF-G-BB	P/B ACTUATOR, FLUSH, MOMENTARY, GREEN OPAQUE, BLACK BEZEL (E2 1PU2R4210)	$	19.40
PZ E2 PBF-R-BB	P/B ACTUATOR, FLUSH, MOMENTARY, RED OPAQUE, BLACK BEZEL (E2 1PU2R3210)	$	19.40
PZ E2 PBF-B-BB	P/B ACTUATOR, FLUSH, MOMENTARY, BLUE OPAQUE, BLACK BEZEL (E2 1PU2R6210)	$	19.40
PZ E2 PBF-O-BB	P/B ACTUATOR, FLUSH, MOMENTARY, ORANGE OPAQUE, BLACK BEZEL (E2 1PU2R8210)	$	19.40
PZ E2 PBF-W-BC	P/B ACTUATOR, FLUSH, MOMENTARY, WHITE OPAQUE, CHROME BEZEL (E2 1PU2R2290)	$	22.60
PZ E2 PBF-Y-BC	P/B ACTUATOR, FLUSH, MOMENTARY, YELLOW OPAQUE, CHROME BEZEL (E2 1PU2R5290)	$	22.60
PZ E2 PBF-G-BC	P/B ACTUATOR, FLUSH, MOMENTARY, GREEN OPAQUE, CHROME BEZEL (E2 1PU2R4290)	$	22.60
PZ E2 PBF-R-BC	P/B ACTUATOR, FLUSH, MOMENTARY, RED OPAQUE, CHROME BEZEL (E2 1PU2R3290)	$	22.60
PZ E2 PBF-B-BC	P/B ACTUATOR, FLUSH, MOMENTARY, BLUE OPAQUE, CHROME BEZEL (E2 1PU2R6290)	$	22.60
PZ E2 PBF-O-BC	P/B ACTUATOR, FLUSH, MOMENTARY, ORANGE OPAQUE, BLACK BEZEL (E2 1PU2R8290)	$	22.60
PZ E2 PBFI-W-BB	P/B ACTUATOR, FLUSH, MOMENTARY, WHITE TRANSPARENT, CHROME BEZEL (E21PL2R2210)	$	35.05
PZ E2 PBFI-Y-BB	P/B ACTUATOR, FLUSH, MOMENTARY, YELLOW TRANSPARENT, BLACK BEZEL (E21PL2R5210)	$	35.05
PZ E2 PBFI-G-BB	P/B ACTUATOR, FLUSH, MOMENTARY, GREEN TRANSPARENT, BLACK BEZEL (E21PL2R4210)	$	39.40
PZ E2 PBFI-R-BB	P/B ACTUATOR, FLUSH, MOMENTARY, RED TRANSPARENT, BLACK BEZEL (E21PL2R3210)	$	35.05
PZ E2 PBFI-B-BB	P/B ACTUATOR, FLUSH, MOMENTARY, BLUE TRANSPARENT, BLACK BEZEL (E21PL2R6210)	$	35.05
PZ E2 PBFI-O-BB	P/B ACTUATOR, FLUSH, MOMENTARY, ORANGE TRANSPARENT, BLACK BEZEL (E21PL2R8210)	$	35.05
PZ E2 PBFI-W-BC	P/B ACTUATOR, FLUSH, MOMENTARY, WHITE TRANSPARENT, CHROME BEZEL (E21PL2R2290)	$	35.05
PZ E2 PBFI-Y-BC	P/B ACTUATOR, FLUSH, MOMENTARY, YELLOW TRANSPARENT, CHROME BEZEL (E21PL2R5290)	$	35.05
PZ E2 PBFI-G-BC	P/B ACTUATOR, FLUSH, MOMENTARY, GREEN TRANSPARENT, CHROME BEZEL (E21PL2R4290)	$	35.05
PZ E2 PBFI-R-BC	P/B ACTUATOR, FLUSH, MOMENTARY, RED TRANSPARENT, CHROME BEZEL (E21PL2R3290)	$	35.05
PZ E2 PBFI-B-BC	P/B ACTUATOR, FLUSH, MOMENTARY, BLUE TRANSPARENT, CHROME BEZEL (E21PL2R6290)	$	35.05
PZ E2 PBFI-O-BC	P/B ACTUATOR, FLUSH, MOMENTARY, ORANGE TRANSPARENT, CHROME BEZEL (E21PL2R8290)	$	35.05

Pizzato Mounting Adaptors

PZ E2 MA-3S	MOUNTING ADAPTOR FOR E2 CONTACT & LED BLOCKS, 3 SLOT (E2 1BAC11)	$	3.90
PZ E2 MA-4S	MOUNTING ADAPTOR FOR E2 CONTACT & LED BLOCKS, 4 SLOT (E2 1BAC21)	$	5.10

Pizzato Contact Blocks

PZ E2 CB-NO	CONTACT BLOCK,10A AC15, 2.5A, DC13 @ 24V, NO, (E2 CP10G2V1)	$	20.00
PZ E2 CB-NC	CONTACT BLOCK,10A AC15, 2.5A, DC13 @ 24V, NC, (E2 CP01G2V1)	$	20.00

Pizzato Illumination Blocks - 230VAC

PZ E2 IB-I230-B	LED ILLUMINATION BLOCK, 195-264VAC, BLUE (E2 LP4A6V1)	$	48.00
PZ E2 IB-I230-G	LED ILLUMINATION BLOCK, 195-264VAC, GREEN (E2 LP4A4V1)	$	48.00
PZ E2 IB-I230-O	LED ILLUMINATION BLOCK, 195-264VAC, ORANGE (E2 LP4A8V1)	$	48.00
PZ E2 IB-I230-R	LED ILLUMINATION BLOCK, 195-264VAC, RED (E2 LP4A3V1)	$	48.00
PZ E2 IB-I230-W	LED ILLUMINATION BLOCK, 195-264VAC, WHITE (E2 LP4A2V1)	$	48.00

Pizzato Illumination Blocks - 24VDC

PZ E2 IB-I24-B	LED ILLUMINATION BLOCK, 12-30VAC/DC, BLUE (E2 LP1A6V1)	$	31.30
PZ E2 IB-I24-G	LED ILLUMINATION BLOCK, 12-30VAC/DC, GREEN (E2 LP1A4V1)	$	31.30
PZ E2 IB-I24-O	LED ILLUMINATION BLOCK, 12-30VAC/DC, ORANGE (E2 LP1A8V1)	$	31.30
PZ E2 IB-I24-R	LED ILLUMINATION BLOCK, 12-30VAC/DC, RED (E2 LP1A3V1)	$	31.30
PZ E2 IB-I24-W	LED ILLUMINATION BLOCK, 12-30VAC/DC, WHITE (E2 LP1A2V1)	$	31.30

Pizzato Accessories

PZ VE GP12H1A	SHAPED RING FOR SINGLE PUSHBUTTON WITHOUT LABEL HOLDER	$	0.80
PZ VE GP12L1A	SHAPED RING FOR DOUBLE/TRIPLE PUSHBUTTON WITHOUT LABEL HOLDER	$	1.80
PZ VE GP12M1A	SHAPED RING FOR DOUBLE/TRIPLE PUSHBUTTON WITHOUT LABEL HOLDER	$	3.80

Pizzato 22mm Hole Enclosures

PZ ES 31000	ENCLOSURE, POLYCARBONATE, 1 HOLE, 72x80Hx56mm, GREY/ BLACK BASE	$	48.40
PZ ES 31001	ENCLOSURE, POLYCARBONATE, 1 HOLE, 72x80Hx56mm, YELLOW/ BLACK BASE	$	48.40
PZ ES 33003	ENCLOSURE, POLYCARBONATE, 2 HOLE, 153x80Hx56mm, GREY/ BLACK BASE	$	78.10
PZ ES 33000	ENCLOSURE, POLYCARBONATE, 3 HOLE, 153x80Hx56mm, GREY/ BLACK BASE	$	78.10
PZ ES 34000	ENCLOSURE, POLYCARBONATE, 4 HOLE, 186x80Hx56mm, GREY/ BLACK BASE	$	88.20
PZ ES 36003	ENCLOSURE, POLYCARBONATE, 5 HOLE, 252x80Hx56mm, GREY/ BLACK BASE	$	110.20
PZ ES 36000	ENCLOSURE, POLYCARBONATE, 6 HOLE, 252x80Hx56mm, GREY/ BLACK BASE	$	110.20

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Pizzato Complete Emergency Stop Buttons

PZ E2 AC-DXBC0400	PUSHBUTTON, FLUSH, BLACK BEZEL, ILLUMINATED, WHITE,1NO+1NC,12-30VAC/DC	$	89.30
PZ E2 AC-DXBC0401	PUSHBUTTON, FLUSH, BLACK BEZEL, ILLUMINATED, GREEN,1NO+1NC,12-30VAC/DC	$	89.30
PZ E2 AC-DXBC0402	PUSHBUTTON, FLUSH, BLACK BEZEL, ILLUMINATED, RED,1NO+1NC,12-30VAC/DC	$	89.30
PZ E2 AC-DXBC0403	PUSHBUTTON, FLUSH, BLACK BEZEL, ILLUMINATED, BLUE,1NO+1NC,12-30VAC/DC	$	89.30
PZ E2 AC-DXBC0404	PUSHBUTTON, FLUSH, BLACK BEZEL, ILLUMINATED, YELLOW,1NO+1NC,12-30VAC/DC	$	89.30
PZ E2 AC-DXBC1000	EMERGENCY STOP PUSHBUTTON, ROTARY RELEASE, 2NC+1NO	$	95.80
PZ E2 AC-DXBC1002	EMERGENCY STOP PUSHBUTTON, ROTARY RELEASE, 2NC	$	80.10
PZ E2 AC-DXBC1401	LEVER SWITCH 2 POSITION,1NO, BLACK BEZEL	$	51.50
PZ E2 AC-DXBC1402	LEVER SWITCH 2 POSITION, SPRING RETURN,1NO, BLACK BEZEL .	$	54.70
PZ E2 AC-DXBC1601	KEY SWITCH, 2 POSITION KEY REMOVABLE IN THE OFF POSITION, 1NO, BLACK BEZEL	$	94.00
PZ E2 AC-DXBC1606	KEY SWITCH, 2 POSITION SPRING RETURN, 1NO, BLACK BEZEL, .	$	97.20
PZ E2 AC-DXBC2000	PUSHBUTTON, QUADRUPLE, UP-DOWN-LEFT-RIGHT ARROWS, 1NO, CHROME BEZEL	$	273.70

Pizzato Complete Emergency Stop Button Stations

PZ ES AC31005	EMERGENCY STOP PUSHBUTTON C/W ENCLOSURE, 2NC	$	141.30
PZ ES AC31009	EMERGENCY PUSH PULL STOP BUTTON, 2 NC, WITH YELLOW ENCLOSURE	$	139.40
PZ ES AC31435	EMERGENCY STOP PUSHBUTTON ILLUMINATED RING TYPE WITH ENCLOSURE	$	302.30
PZ ES AC31701	EMERGENCY STOP PUSHBUTTON ILLUMINATED YELLOW GUARD ENCLOSURE, 2NC	$	342.50

Pizzato Contact Blocks

PZ E2 CB-NC	CONTACT BLOCK,10A AC15, 2.5A, DC13 @ 24V, NC, (E2 CP01G2V1)	$	20.00
PZ E2 CB-NO	CONTACT BLOCK,10A AC15, 2.5A, DC13 @ 24V, NO, (E2 CP10G2V1)	$	20.00
PZ E2 CF01G2V1	CONTACT BLOCK, BASE MOUNT,1NC, USE WITH E-STOP STATION	$	20.00
PZ E2 CF01S2V1	CONTACT BLOCK, BASE MOUNT,1NC SELF MONITORING, USE WITH E-STOP BUTTON	$	35.60
PZ E2 CF10G2V1	CONTACT BLOCK, BASE MOUNT,1NO, SLOW ACTION	$	20.00
PZ E2 CP01S2V1	CONTACT BLOCK, SELF MONITORING, PANEL MOUNT, NC, USE WITH E-STOP BUTTON	$	35.60

Pizzato Illuminated Rings

PZ VE DL1A2D00	ILLUMINATED RING, 60mm DIA, DUAL FUNCTION - WHITE	$	104.30
PZ VE DL1A5D00	ILLUMINATED RING, 60mm DIA, DUAL FUNCTION - YELLOW	$	104.30
PZ VE DL1A5D00-MM	ILLUMINATED RING, 60mm DIA, DUAL FUNCTION - YELLOW-ENGRAVED MAINTENANCE MODE	$	-
PZ VE DL1A5D09	EMERGENCY STOP LABEL, 60mm DIA, ILLUMINATED DUAL FUNCTION	$	106.30
PZ VE DL1A5L13	YELLOW WITH TRIANGLE LABEL 60mm DIA ILLUMINATED BLINKING FUNCTION	$	106.30

Pizzato 22mm Labels

PZ VE TF12H12GB0	ENGRAVED LABEL FOR EROUND PRODUCTS - STOP	$	9.80
PZ VE TF12H12GB1	ENGRAVED LABEL FOR EROUND PRODUCTS - START	$	9.80
PZ VE TF12H12GB10	ENGRAVED LABEL FOR EROUND PRODUCTS - OFF - ON	$	9.80
PZ VE TF12H12GB12	ENGRAVED LABEL FOR EROUND PRODUCTS - MAN 0 AUTO	$	9.80
PZ VE TF12H12GB14	ENGRAVED LABEL FOR EROUND PRODUCTS - RESET	$	9.80
PZ VE TF12H12GB15	ENGRAVED LABEL FOR EROUND PRODUCTS - FORWARD	$	14.00
PZ VE TF12H12GB16	ENGRAVED LABEL FOR EROUND PRODUCTS - REVERSE	$	14.00
PZ VE TF12H12GB2	ENGRAVED LABEL FOR EROUND PRODUCTS - CLOSE	$	9.80
PZ VE TF12H12GB22	ENGRAVED LABEL FOR EROUND PRODUCTS - HIGH	$	14.00
PZ VE TF12H12GB23	ENGRAVED LABEL FOR EROUND PRODUCTS - LOW	$	14.00
PZ VE TF12H12GB3	ENGRAVED LABEL FOR EROUND PRODUCTS - UP	$	9.80
PZ VE TF12H12GB32	ENGRAVED LABEL FOR EROUND PRODUCTS - OPEN	$	14.00
PZ VE TF12H12GB4	ENGRAVED LABEL FOR EROUND PRODUCTS - DOWN	$	9.80
PZ VE TF12H12GB7	ENGRAVED LABEL FOR EROUND PRODUCTS - RUN	$	14.00
PZ VE TF12H12GB8	ENGRAVED LABEL FOR EROUND PRODUCTS - FAULT	$	14.00
PZ VE TF12H1700	BLANK BLACK LABEL FOR EROUND PRODUCTS	$	7.10
PZ VE TF32A5102	EMERGENCY STOP LABEL, 60mm DIAMETER FOR EROUND SERIES	$	11.70
PZ VE TF32D5102	EMERGENCY STOP LABEL, 90mm DIAMETER FOR EROUND SERIES	$	14.40

Pizzato 22mm Sockets

PZ E2 1RJ451AAK	RJ45 SOCKET CAT5E - FEMALE FRONT+ REAR, IP67, BLACK BEZEL	$	127.60
PZ E2 1RJ459CAK	RJ45 SOCKET CAT6 - FEMALE FRONT+ REAR, IP67, CHROME BEZEL	$	144.10
PZ E2 1USB1AAK	USB3.0 SOCKET, FEMALE FRONT+ REAR, IP67, BLACK BEZEL	$	133.20

Pizzato 22mm Potentiometers

PZ E6 1DM001K-D119	POTENTIOMETER, 1 WATT, 1KOHM, IP67/69K, CHROME BEZEL	$	205.20
PZ E6 1DM010K-D119	POTENTIOMETER, 1 WATT, 10KOHM, IP67/69K, CHROME BEZEL	$	205.20
PZ E6 1DM022K-D319	POTENTIOMETER, 0.5 WATT, 22KOHM, IP67/69K, CHROME BEZEL	$	133.00
PZ E6 1DM02K2-D119	POTENTIOMETER, 1 WATT, 2.2KOHM, IP67/69K, CHROME BEZEL	$	205.20
PZ E6 1DM04K7-D111	POTENTIOMETER, 1 WATT, 4.7KOHM, IP67/69K, BLACK BEZEL	$	202.00
PZ E6 1DM04K7-D119	POTENTIOMETER, 1 WATT, 4.7KOHM, IP67/69K, CHROME BEZEL	$	205.20

Pizzato double action Joy Sticks

uses PZ MAS-3S, quad actions use PZ MA- 4S mounting adaptors

PZ E2 1MA12BZ91	JOYSTICK, 55mm HIGH, UP-DOWN, MOMENTARY, IP67+IP69K, CHROME BEZEL	$	186.10
PZ E2 1MA12EZ91	JOYSTICK, 55mm HIGH, LEFT-RIGHT, MAINTAINED, IP67+IP69K, CHROME BEZEL	$	186.10
PZ E2 1MA12FZ91	JOYSTICK, 55mm HIGH, LEFT-RIGHT, MOMENTARY IP67+ IP69K, CHROME BEZEL	$	186.10
PZ E2 1MA14AZ91	JOYSTICK, 55mm HIGH, LEFT-RIGHT-UP-DOWN, MIAINTAINED, IP67+ IP69K, CHROME BEZEL	$	186.10
PZ E2 1MA14BZ91	JOYSTICK, 55mm HIGH, LEFT-RIGHT-UP-DOWN, IMOMENTARY,P67+ IP69K, CHROME BEZEL	$	196.00

Due to volatile international material costs, prices may change at short notice.
check before ordering

Pizzato Key Switches

uses PZ MA-3S mounting adaptor

PZ E2 1SC2AVA19AA	KEY SWITCH, 2 POSITION, KEY REMOVABLE IN THE OFF POSITION, CHROME BEZEL	**$**	**77.60**
PZ E2 1SC2DVA19AA	KEY SWITCH, 2 POSITION, SPRING RETURN, CHROME BEZEL	**$**	**80.90**
PZ E2 AC-DXBC1601	KEY SWITCH, 2 POSITION KEY REMOVABLE IN THE OFF POSITION, 1NO, BLACK BEZEL	**$**	**94.00**
PZ E2 AC-DXBC1606	KEY SWITCH, 2 POSITION SPRING RETURN, 1NO, BLACK BEZEL, .	**$**	**97.20**

Pizzato Lever Switches

Uses PZ-MA3S mounting adaptor

PZ E2 1SE12AVA11AB	LEVER SWITCH BLACK, 2 POSITION MAINTAINED, BLACK BEZEL	**$**	**31.90**
PZ E2 1SE12AVA19AB	LEVER SWITCH BLACK, 2 POSITION MAINTAINED, CHROME BEZEL	**$**	**35.20**
PZ E2 1SE13ACE11AB	LEVER SWITCH BLACK, 3 POSITION MAINTAINED, BLACK BEZEL	**$**	**32.00**
PZ E2 1SE13ACE19AB	LEVER SWITCH BLACK 3 POSITION MAINTAINED CHROME BEZEL	**$**	**35.20**
PZ E2 1SE13ECE19AB	LEVER SWITCH BLACK, 3 POSITION SPRING RETURN FROM RIGHT, CHROME BEZEL	**$**	**38.40**
PZ E2 AC-DXBC1401	LEVER SWITCH 2 POSITION,1NO, BLACK BEZEL	**$**	**51.50**
PZ E2 AC-DXBC1402	LEVER SWITCH 2 POSITION, SPRING RETURN,1NO, BLACK BEZEL .	**$**	**54.70**

Pizzato Multi-Button Momentary Actuators

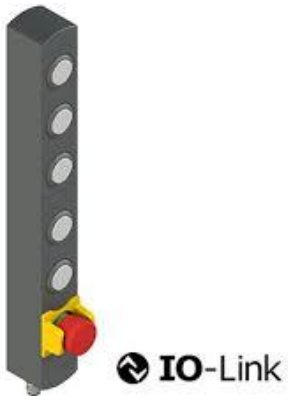
Doubles & triples use PZ MA-3S and quadruple uses PZ MA-4S mounting adaptors

PZ E2 DPBF-B-BC	DOUBLE P/B ACTUATOR, BLACK, FLUSH, UP-DOWN, MOM, CHROME BEZEL (E2 1PDRL9AAAB)	**$**	**38.90**
PZ E2 DPBFI BK/W-BC	DOUBLE P/B ACTUATOR, FLUSH, BLACK/WHITE, MOM, CHROME BEZEL, (E2 1PDRL90221)	**$**	**35.05**
PZ E2 QPBF-B-BC	QUAD P/B ACTUATOR, FLUSH, MOMENTARY, U-D-L-R, CHROME BEZEL (E2 1PQFA9 QAAA)	**$**	**205.60**

Pizzato Push-Button Stations

PZ BNAC4ZA05	BUTTON STATION, 4 POSN, MOMENTARY NO GREEN,RED,BLUE+TURN RELEASE ESTOP, M12	**$**	**1,086.30**

Other Stations available with M12 connection on request - including IO-Link versions



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VISUAL ALARMS

FULLEON Solex Xenon Flashing Beacons

Solex Xenon flashing beacon 2J energy@ 1Hz flash rate, 10-60Vdc 80mA@ 24Vdc. Available with amber, blue, green, or red lens. Base colour can be white or red. IP54 with a shallow base, IP65 by using a deep base. 93mm Dia x 66mm high with shallow base. In addition they can be powered from 110Vac or 230Vac by using a Deep Powered Base that incorporates a 100mA 24Vdc power supply

SOLEX

SO-A-SW-10C	SOLEX XENON BEACON,10CD, 10-60VDC, SHALLOW WHITE BASE, AMBER	$	178.50
SO-B-SW-10C	SOLEX XENON BEACON,10CD, 10-60VDC, SHALLOW WHITE BASE, BLUE	$	178.50
SO-G-SW-10C	SOLEX XENON BEACON,10CD, 10-60VDC, SHALLOW WHITE BASE, GREEN	$	178.50
SO-R-SR-10C	SOLEX XENON BEACON,10CD, 10-60VDC, SHALLOW RED BASE, RED	$	178.50
SO-R-SR-15C	SOLEX XENON BEACON,15CD, 10-60VDC, SHALLOW RED BASE, RED (INDENT ONLY)	$	195.60

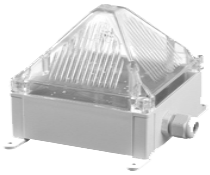
BASE-DEEP-PWD

BASE-DEEP-RED	FULLEON SOUNDER/BEACON BASE, 50x93mm, RED	$	23.80
BASE-DEEP-WHITE	FULLEON SOUNDER/BEACON BASE, 50x93mm, WHITE	$	23.80
BASE-SHALLOW-RED	FULLEON SOUNDER/BEACON BASE, 20x93mm, RED	$	23.80
BASE-SHALLOW-WHITE	FULLEON SOUNDER/BEACON BASE, 20x93mm, RED	$	23.80
BASE-DEEP-PWD-RED	FULLEON POWERED BASE, 50x93mm, INPUT 110-240VAC - OUT 24VDC 100mA, RED	$	58.20
BASE-DEEP-PWD-WHITE	FULLEON POWERED BASE, 50x93mm, INPUT 110-240VAC - OUT 24VDC 100mA, WHITE	$	58.20

PFANNENBERG - Xenon Strobe Lights, IP65

The Quadro F12 Xenon flasher from Pfannenberg will still produce 70% light emission after 12 million flashes, and is available in red, amber, green, blue, yellow, opal and clear. Stock codes below; other colours on indent.

QUADRO-F12-115/CL	XENON FLASHER,13J, IP67,115VAC CLEAR	$	928.00
QUADRO-F12-230/AM	XENON FLASHER,13J, IP67, 230VAC AMBER	$	843.60
QUADRO-F12-230/CL	XENON FLASHER,13J, IP67, 230VAC CLEAR	$	850.70
QUADRO-F12-230/RD	XENON FLASHER,13J, IP67, 230VAC RED	$	836.60
QUADRO-F12-24/AM	XENON FLASHER,13J, IP67, 24VDC AMBER	$	1,033.50
QUADRO-F12-24/CL	XENON FLASHER,13J, IP67, 24VDC CLEAR	$	1,040.50
QUADRO-F12-24/RD	XENON FLASHER,13J, IP67, 24VDC RED	$	1,033.50



AUTONICS - MS86 LED Beacons

MS86 is a range of cost effective LED beacons with steady and flashing light functions selctable by jumper link. Wall mounting brackets are available.

MS86L-F02-B	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 24VAC/DC, BLUE LENS	$	139.00
MS86L-F02-G	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 24VAC/DC, GREEN LENS	$	139.00
MS86L-F02-R	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 24VAC/DC, RED LENS	$	139.00
MS86L-F02-Y	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 24VAC/DC, AMBER LENS	$	139.00
MS86L-FFF-B	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 90-240VAC, BLUE LENS	$	139.00
MS86L-FFF-G	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 90-240VAC, GREEN LENS	$	139.00
MS86L-FFF-R	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 90-240VAC, RED LENS	$	139.00
MS86L-FFF-Y	LED BEACON, 86mm DIA HIGH DOME, STEADY + FLASH, 90-240VAC, AMBER LENS	$	139.00

MS86L-F02-B-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 24VAC/DC, BLUE LENS	$	139.00
MS86L-F02-G-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 24VAC/DC, GREEN LENS	$	139.00
MS86L-F02-R-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 24VAC/DC, RED LENS	$	139.00
MS86L-F02-Y-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 24VAC/DC, AMBER LENS	$	139.00
MS86L-FFF-B-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 90-240VAC, BLUE LENS	$	139.00
MS86L-FFF-G-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 90-240VAC, GREEN LENS	$	139.00
MS86L-FFF-R-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 90-240VAC, RED LENS	$	139.00
MS86L-FFF-Y-F	LED BEACON, 86mm DIA LOW DOME, STEADY + FLASH, 90-240VAC, AMBER LENS	$	139.00
MS86W-ROO-R	LED BEACON, 86mm DIA LOW DOME, STEADY, FLASH + ROTATE,12-24VAC/DC, RED LENS	$	139.00
MS86W-ROO-Y	LED BEACON, 86mm DIA LOW DOME, STEADY, FLASH + ROTATE,12-24VAC/DC, AMBER LENS	$	139.00
MAM-DS26	MS86 BEACON METAL WALL MOUNT BRACKET	$	22.00
MAM-DS30	MS86 BEACON METAL WALL MOUNT BRACKET	$	22.00

SIRENA - E-LITE LED Steady Beacons, IP66, 70mm Ø

E-LITE steady beacons are suitable for many 24Vdc signalling applications with pre-wired cable, protected to IP66

E-LITE-24V-AMBER	LED STEADY 24VDC BEACON (28252), 70mm DIA IP66, AMBER	$	85.90
E-LITE-24V-BLUE	LED STEADY 24VDC BEACON (28251), 70mm DIA IP66, BLUE	$	85.90
E-LITE-24V-CLEAR	LED STEADY 24VDC BEACON (28256), 70mm DIA IP66, CLEAR	$	85.90
E-LITE-24V-GREEN	LED STEADY 24VDC BEACON (28254), 70mm DIA IP66, GREEN	$	85.90
E-LITE-24V-RED	LED STEADY 24VDC BEACON (28253), 70mm DIA IP66, RED	$	85.90
E-LITE-24V-RGB-FL	LED FLASHING 24VDC BEACON (28324), 70mm DIA IP66, 7 COLOUR RGB	$	203.60
E-LITE-24V-RGB-STDY	LED STEADY 24VDC BEACON, 70mm DIA IP66, (28322), 7 COLOUR RGB	$	203.60
E-LITE-FLASHER	E-LITE FLASHER RELAY, 3 FUNCTIONS - 24VDC 100mA	$	64.70

AUER SIGNAL - PCL LED Flashing/Steady Beacons

PCL Series IP67 LED flashing/steady beacon offering long life and low current consumption, 2Hz flash rate. Size 75mm dia x 55mm high. Surface mounted, supplied with 1m PUR cable

PCL-AMB-230V	LED BEACON STEADY OR FLASHING, 230/240VAC, AMBER	$	251.60
PCL-BLU-230V	LED BEACON STEADY OR FLASHING, 230/240VAC, BLUE	$	269.00
PCL-CLE-230V	LED BEACON STEADY OR FLASHING, 230/240VAC, CLEAR	$	269.00
PCL-GRN-230V	LED BEACON STEADY OR FLASHING, 230/240VAC, GREEN	$	269.00
PCL-RED-230V	LED BEACON STEADY OR FLASHING, 230/240VAC, RED	$	251.60
PCL-AMB-24V	LED BEACON STEADY OR FLASHING, 24V/AC/DC, AMBER	$	244.50
PCL-BLU-24V	LED BEACON STEADY OR FLASHING, 24V/AC/DC, BLUE	$	248.20
PCL-GRN-24V	LED BEACON STEADY OR FLASHING, 24V/AC/DC, GREEN	$	248.20
PCL-RED-24V	LED BEACON STEADY OR FLASHING, 24V/AC/DC, RED	$	244.50
PFL-AMB-230V	LED MULTISTROBE BEACON 230/240VAC AMBER	$	294.60

PMR

PMR-100	MOUNTING BASE 100mm ALI TUBE WITH PLASTIC FOOT FOR PCL BEACON	$	115.80
PMR-250	MOUNTING BASE 250mm ALI TUBE WITH PLASTIC FOOT FOR PCL BEACON	$	125.10
PVW-WALL	PCL WALL MOUNTING BASE	$	49.40

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VISUAL ALARMS

AUER SIGNAL - "Q" series LED Beacons Beacons

Q series LED beacons offer steady and flashing functions (2Hz flash rate), or the muiltistobe 3 functionQBL. All units are IP66 rtaed when fitted with the appropriate gasket(see below) and are fit for PLC applications.All models are perfect partners for the AS series of IP66 sounders.

QDS
94x94x98h

QDS-230V-AMBER	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 240VAC AMBER	$ 360.80
QDS-230V-BLUE	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 240VAC BLUE	$ 360.80
QDS-230V-CLEAR	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 240VAC CLEAR	$ 360.80
QDS-230V-GREEN	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 240VAC GREEN	$ 360.80
QDS-230V-RED	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 240VAC RED	$ 360.80
QDS-24V-AMBER	LED BEACON IP66, 94mm2,STEADY OR FLASHING, 24VAC/DC AMBER	$ 302.70
QDS-24V-BLUE	LED BEACON IP66, 94mm2,STEADY OR FLASHING, 24VAC/DC BLUE	$ 302.70
QDS-24V-CLEAR	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 24VAC/DC CLEAR	$ 302.70
QDS-24V-GREEN	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 24VAC/DC GREEN	$ 302.70
QDS-24V-RED	LED BEACON IP66, 94mm2, STEADY OR FLASHING, 24VAC/DC RED	$ 302.70

QDM
132x132x138h

QDM-230V-AMBER	LED BEACON IP66,132mm2, STEADY OR FLASHING, 110-240VAC/DC AMBER	$ 534.80
QDM-230V-BLUE	LED BEACON IP66,132mm2, STEADY OR FLASHING, 110-240VAC/DC BLUE	$ 534.80
QDM-230V-CLEAR	LED BEACON IP66,132mm2, STEADY OR FLASHING, 110-240VAC/DC CLEAR	$ 534.80
QDM-230V-GREEN	LED BEACON IP66,132mm2, STEADY OR FLASHING, 110-240VAC/DC GREEN	$ 534.80
QDM-230V-RED	LED BEACON IP66,132mm2, STEADY OR FLASHING, 110-240VAC/DC RED	$ 534.80
QDM-24V-AMBER	LED BEACON IP66,132mm2, STEADY OR FLASHING, 24-48VAC/DC AMBER	$ 534.80
QDM-24V-BLUE	LED BEACON IP66,132mm2, STEADY OR FLASHING, 24-48VAC/DC BLUE	$ 534.80
QDM-24V-CLEAR	LED BEACON IP66,132mm2, STEADY OR FLASHING, 24-48VAC/DC CLEAR	$ 534.80
QDM-24V-GREEN	LED BEACON IP66,132mm2, STEADY OR FLASHING, 24-48VAC/DC GREEN	$ 534.80
QDM-24V-RED	LED BEACON IP66,132mm2, STEADY OR FLASHING, 24-48VAC/DC RED	$ 534.80
QDM-24V-YELLOW	LED BEACON IP66,132mm2, STEADY OR FLASHING, 24-48VAC/DC YELLOW	$ 534.80

QDL
184x184x176h

QDL-230V-AMBER	LED BEACON IP66,184mm2, STEADY OR FLASHING, 110-240VA/DC AMBER	$ 1,203.60
QDL-230V-BLUE	LED BEACON IP66,184mm2, STEADY OR FLASHING, 110-240VA/DC BLUE	$ 1,203.60
QDL-230V-CLEAR	LED BEACON IP66,184mm2, STEADY OR FLASHING, 110-240VA/DC CLEAR	$ 1,203.60
QDL-230V-GREEN	LED BEACON IP66,184mm2, STEADY OR FLASHING, 110-240VA/DC GREEN	$ 1,203.60
QDL-230V-RED	LED BEACON IP66,184mm2, STEADY OR FLASHING, 110-240VA/DC RED	$ 1,203.60
QDL-24V-AMBER	LED BEACON IP66,184mm2, STEADY OR FLASHING, 24-48VAC/DC AMBER	$ 1,203.60
QDL-24V-BLUE	LED BEACON IP66,184mm2, STEADY OR FLASHING, 24-48VAC/DC BLUE	$ 1,203.60
QDL-24V-CLEAR	LED BEACON IP66,184mm2, STEADY OR FLASHING, 24-48VAC/DC CLEAR	$ 1,203.60
QDL-24V-GREEN	LED BEACON IP66,184mm2, STEADY OR FLASHING, 24-48VAC/DC GREEN	$ 1,203.60
QDL-24V-RED	LED BEACON IP66,184mm2, STEADY OR FLASHING, 24-48VAC/DC RED	$ 1,203.60

GASKET AG1

BRACKET-AB1	MOUNTING BRACKET SIZE 1 FOR QDS/ASS-T	$ 81.10
BRACKET-AB2	MOUNTING BRACKET SIZE 2 FOR QDM/ASM	$ 90.20
BRACKET-AB3	MOUNTING BRACKET SIZE 3 FOR QDL/QDL/ASL	$ 163.40
BRACKET-AB4	MOUNTING BRACKET SIZE 4 FOR QBX/ASX	$ 184.60
GASKET-AG1	GASKET IP66, SIZE 1, FOR QDS/ASS-T	$ 39.90
GASKET-AG2	GASKET IP66, SIZE 2, FOR QDM/ASM	$ 45.20
GASKET-AG3	GASKET IP66, SIZE 3, FOR QDL/ASL	$ 60.10
GASKET-AG4	GASKET IP66, SIZE 1, FOR QDX/ASX	$ 56.00
KIT-AMK	COUPLING, FOR JOINING QDS/M & ASS/M PAIRS	$ 28.30

AUER SIGNAL "R" Series high performance LED Beacon

Auer Signal "R" Series High Performance LED Beacons The new LED beacon high performance R series is the brightest LED beacon in its category and is specially designed for maximum signaling effect. Diameter 110 mm. IP66 protection and impact resistance IK08, the R series is suitable for a wide range of applications. The multifunction beacon has 28 functions and 12 x 6 LEDs.

RDMHP

RDMHP-024-AMBER	LED BEACON, MULTIFUNCTION, HIGH PERFORMAMCE, 24VAC/DC, AMBER	$ 649.10
RDMHP-024-BLUE	LED BEACON, MULTIFUNCTION, HIGH PERFORMAMCE, 24VAC/DC, BLUE	$ 649.10
RDMHP-024-CLEAR	LED BEACON, MULTIFUNCTION, HIGH PERFORMAMCE, 24VAC/DC, CLEAR	$ 649.10
RDMHP-024-GREEN	LED BEACON, MULTIFUNCTION, HIGH PERFORMAMCE, 24VAC/DC, GREEN	$ 649.10
RDMHP-024-RED	LED BEACON, MULTIFUNCTION, HIGH PERFORMAMCE, 24VAC/DC, RED	$ 649.10
RDMHP-230-AMBER	LED BEACON, MULTIFUNCTION, HIGH PERFORMANCE,110-230VAC, AMBER	$ 649.10
RDMHP-230-BLUE	LED BEACON, MULTIFUNCTION, HIGH PERFORMANCE,110-230VAC, BLUE	$ 649.10
RDMHP-230-CLEAR	LED BEACON, MULTIFUNCTION, HIGH PERFORMANCE,110-230VAC, CLEAR	$ 649.10
RDMHP-230-GREEN	LED BEACON, MULTIFUNCTION, HIGH PERFORMANCE,110-230VAC, GREEN	$ 649.10
RDMHP-230-RED	LED BEACON, MULTIFUNCTION, HIGH PERFORMANCE,110-230VAC, RED	$ 649.10

BASES

RBH	UNIVERSAL MOUNTING BASE FOR R-SERIES BEACONS	$ 129.50
RBL	HORIZONTAL MOUNTING BASE FOR R-SERIES BEACONS	$ 98.70

BRACKETS

RWD	VERTICAL MOUNTING BRACKET FOR R-SERIES BEACONS	$ 218.90
RWU	METAL MOUNTING BRACKET FOR R-SERIES BEACONS	$ 112.80

GASKETS

GASKET-RG1	GASKET, FLAT, FOR R SERIES BEACONS	$ 32.10
GASKET-RG2	GASKET, WALL, FOR R SERIES BEACONS	$ 23.10

SIRENA - OVOLUX SMD LED BEACONS, IP65

Multifunction LED machine warning lights, available in 12-24Vac/dc or 90-240Vac, continuous or 3 different flash rates selectable by DIP switch, 100,000 hours life, high-intensity LED's and fresnel lens for greater visibility. IP65 rated, mounts through 22mm hole or surface mounting using TWS-AFF & either TWS-BS or TWS-KIT. Ø 76mm x 69mm H.

OVOSMD-12-24/AM	OVOLUX LED MULTIFUNCTION BEACON (38782), 12-24VAC/DC AMBER	$	201.80
OVOSMD-12-24/BL	OVOLUX LED MULTIFUNCTION BEACON (38781), 12-24VAC/DC BLUE	$	201.80
OVOSMD-12-24/CL	OVOLUX LED MULTIFUNCTION BEACON (38786), 12-24VAC/DC, CLEAR	$	201.80
OVOSMD-12-24/GR	OVOLUX LED MULTIFUNCTION BEACON (38784), 12-24VAC/DC GREEN	$	201.80
OVOSMD-12-24/RD	OVOLUX LED MULTIFUNCTION BEACON (38783), 12-24VAC/DC RED	$	201.80
OVOSMD-12-24/YE	OVOLUX LED MULTIFUNCTION BEACON (38785), 12-24VAC/DC YELLOW	$	201.80
OVOSMD-240/AM	OVOLUX LED MULTIFUNCTION BEACON (38792), 90-240VAC, AMBER	$	235.30
OVOSMD-240/BL	OVOLUX LED MULTIFUNCTION BEACON (38791), 90-240VAC, BLUE	$	235.30
OVOSMD-240/CL	OVOLUX LED MULTIFUNCTION BEACON (38796), 90-240VAC, CLEAR	$	235.30
OVOSMD-240/GR	OVOLUX LED MULTIFUNCTION BEACON (38794), 90-240VAC, GREEN	$	235.30
OVOSMD-240/RD	OVOLUX LED MULTIFUNCTION BEACON (38793), 90-240VAC, RED	$	235.30
OVOSMD-240/YE	OVOLUX LED MULTIFUNCTION BEACON (38795), 90-240VAC, YELLOW	$	235.30
OVOPG9-12-24/AM	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 12-24VAC/DC, AMBER	$	226.90
OVOPG9-12-24/BL	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 12-24VAC/DC, BLUE	$	226.90
OVOPG9-12-24/GR	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 12-24VAC/DC, GREEN (38804)	$	226.90
OVOPG9-12-24/RD	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 12-24VAC/DC, RED (38803)	$	226.90
OVOPG9-240/AM	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 240VAC, AMBER	$	260.50
OVOPG9-240/GR	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 240VAC, GREEN	$	260.50
OVOPG9-240/RD	OVOPG9 LED MULTIFUNCTION BEACON, PG9 GLAND ENTRY, 240VAC, RED (38813)	$	260.50

OVOLUX Mounting Accessories

TWS-AFF	TWS/OVOLUX BASE MOUNT COUPLER(27697)	$	19.80
TWS-BC	TWS TOWER SECTOR BASE & COVER (27700)	$	94.90
TWS-BP1	TWS/OVOLUX SINGLE WALL BRACKET (27762)	$	37.60
TWS-BP2	TWS/OVOLUX DOUBLE WALL BRACKET (27763)	$	37.60
TWS-BS	TWS/OVOLUX MOUNTING BASE UNIT (27760)	$	26.80
TWS-KIT	TWS/OVOLUX 100mm PLASTIC POLE MOUNTING KIT (27764)	$	39.40
TWS-KIT-L/100	TWS/OVOLUX 100mm S/S POLE MOUNTING KI T (27765)	$	96.10
TWS-KIT-L/200	TWS/OVOLUX 200mm S/S POLE MOUNTING KI T (27766)	$	114.40
TWS-KIT-L/400	TWS/OVOLUX 400mm S/S POLE MOUNTING KIT (27767)	$	151.10
TWS-PR	TWS EXTENSION STEM 100mm (27761)	$	22.90
OVOLUX-LENS-AMB	LENS FOR OVOLUX BEACON AMBER	$	33.80
OVOLUX-LENS-BLU	LENS FOR OVOLUX BEACON BLUE	$	33.80
OVOLUX-LENS-CLR	LENS FOR OVOLUX BEACON CLEAR	$	32.00
OVOLUX-LENS-GRN	LENS FOR OVOLUX BEACON GREEN	$	33.80
OVOLUX-LENS-RED	LENS FOR OVOLUX BEACON RED	$	33.80
OVOLUX-LENS-YEL	LENS FOR OVOLUX BEACON YELLOW	$	33.80

SIRENA - Visual Alarms - LED Beacons, LED Traffic Lights

Sirena M-Line LED Multifunction Beacons

Superbright multifunction LED beacon with 3 separate functions (flashing, strobe, random), controllable independently via separate contacts. 92mm dia x 107mm high, IP66 rated, with versatile mounting options

FLR-AMBER	M-LINE MULTIFUNCTION BEACON, (90352) 12/24VAC/DC, AMBER	$	450.80
FLR-BLUE	M-LINE MULTIFUNCTION BEACON, (90351)12/24VAC/DC, BLUE	$	450.80
FLR-GREEN	M-LINE MULTIFUNCTION BEACON, (90354) 12/24VAC/DC, GREEN	$	450.80
FLR-RED	M-LINE MULTIFUNCTION BEACON (90353) 12/24VAC/DC, RED	$	450.80

SLR beacons also have a simulated rotating function

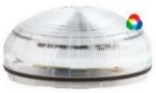
SLR-S-AMBER	M-LINE MULTIFUNCTION BEACON, (90852) 12/24VAC/DC, AMBER	$	450.80
SLR-S-BLUE	M-LINE MULTIFUNCTION BEACON, (90851) 12/24VAC/DC, BLUE	$	450.80
SLR-S-CLEAR	M-LINE MULTIFUNCTION BEACON, (90856) 12/24VAC/DC, CLEAR	$	450.80
SLR-S-GREEN	M-LINE MULTIFUNCTION BEACON, (90854) 12/24VAC/DC, GREEN	$	450.80
SLR-S-RED	M-LINE MULTIFUNCTION BEACON, (90853) 12/24VAC/DC, RED	$	450.80

SIRENA - M-Line XLF LED Beacons

Multifunction beacon with Superbright LED for use with M-LINE and T-LINE bases. Flashing, strobe or steady function, controlled by independent connections. 92mm dia x 42mm high, IP66 rated, with versatile mounting options, including industrial traffic lights using the T-LINE bases

XLF-S-AMBER	MULTIFUNCTION LED BEACON 12-24VAC/DC AMBER	$	291.40
XLF-S-BLUE	MULTIFUNCTION LED BEACON 12-24VAC/DC BLUE (90821)	$	291.40
XLF-S-GREEN	MULTIFUNCTION LED BEACON 12-24VAC/DC GREEN	$	291.40
XLF-S-RED	MULTIFUNCTION LED BEACON 12-24VAC/DC RED (90823)	$	291.40

Multifunction LED beacon with 8 separate colours and 5 lighting effects, with 3 separate alarm stages controllable independently via separate connections 92mm dia x 42mm high, IP66 rated, with versatile mounting options



XLF-R/G/B	MULTICOLOUR MULTIFUNCTION LED BEACON IP65 (90156)	$	342.30

Complete unit requires a choice of beacon and base (sold separately) - see accessories

SIRENA - T-LINE Industrial Traffic Lights

A range of modular LED Industrial Traffic Lights designed for use with the Sirena M-LINE range of beacons. While the recommended beacon is the XLF-S range above, T-LINE bases will accept any of the M-LINE range for versatile modular use where applications require a variety of signals for diiferent conditions. IP66 protected

T-LINE 2 BASE-12/24V	T-LINE TRAFFIC LIGHT BASE, 2 LIGHT 12-24VAC/DC (69780)	$	327.80
T-LINE 2 BASE-230V	T-LINE TRAFFIC LIGHT BASE, 2 LIGHT 120-240VAC (69781)	$	477.00
T-LINE 3 BASE-12/24V	T-LINE TRAFFIC LIGHT BASE, 3 LIGHT 12-24VAC/DC (69782)	$	403.90
T-LINE 3 BASE-230V	T-LINE TRAFFIC LIGHT BASE, 3 LIGHT 120-240VAC (69783)	$	626.30
T-LINE POLE ADAPTOR	POLE MTG ADAPTOR FOR T-LINE BASE (69785)	$	53.40
T-LINE VISOR	VISOR FOR T-LINE & M-LINE BASES39 (69790)	$	58.60
T-LINE WALL BRACKET	STEEL WALL BRACKET FOR T-LINE 2 OR 3 LIGHT (69784)	$	55.60

Due to volatile international material costs, prices may change at short notice.
check before ordering

SIRENA - M-Line SIR-E LED Beacon-Sounders

Combination LED beacon/sounder offering 2 light effects (steady, flashing) and 64 different tones, with volume control to 65dB min. Allows 3 separate alarm levels (warning, alarm 1, alarm 2) via separate contacts. 92mm dia x 62mm high, IP65 rated, with versatile mounting options

SIR-E LED/AMBER	LED BEACON/SOUNDER, (90362),105dB, 12/24VAC/DC, AMBER	**$**	**338.10**
SIR-E LED/BLUE	LED BEACON/SOUNDER, (90361),105dB,12/24VAC/DC, BLUE	**$**	**338.10**
SIR-E LED/GREEN	LED BEACON/SOUNDER, (90364),105dB,12/24VAC/DC, GREEN	**$**	**338.10**
SIR-E LED/RED	LED BEACON/SOUNDER, (90363),105dB,12/24VAC/DC, RED	**$**	**338.10**
SIR-E MAX LED/AMB	LED BEACON/SOUNDER, (90562), HIGH OUTPUT, 4 FUNCTIONS 115dB, 12/24VAC/DC , AMBER	**$**	**634.60**
SIR-E MAX LED/GREEN	LED BEACON/SOUNDER, (90564), HIGH OUTPUT, 4 FUNCTIONS 115dB, 12/24VAC/DC, GREEN	**$**	**634.60**
SIR-E MAX LED/RED	LED BEACON/SOUNDER, (90563), HIGH OUTPUT, 4 FUNCTIONS 115dB, 12/24VAC/DC, RED	**$**	**634.60**

Complete unit requires a choice of beacon/sounder and base (sold separately)

SIRENA - M-Line Bases/Accessories

Bases to suit any application for M-Line Beacons and Sounders, available in Grey (except FLUSH model base) or White

DEEP BASE

CAGE

M-LINE BASE 40-80V	M-LINE DEEP BASE (90432), 40-80VAC/DC GREY	**$**	**186.50**
M-LINE BASE-230V	M-LINE DEEP BASE (90369),120/240VAC GREY	**$**	**186.50**
M-LINE BASE-230V-BLK	M-LINE DEEP BASE (90458),120/240VAC BLACK	**$**	**186.50**
M-LINE BASE-230V-RED	M-LINE DEEP BASE (90508),120/240VAC RED	**$**	**186.50**
M-LINE BASE-230V-WH	M-LINE DEEP BASE (90509),120/240VAC WHITE	**$**	**186.50**
M-LINE BASE-DEEP	M-LINE DEEP BASE (90368),12-24VAC/DC GREY	**$**	**43.70**
M-LINE BASE-DEEP-BLK	M-LINE DEEP BASE (90452),12-24VAC/DC BLACK	**$**	**43.70**
M-LINE BASE-DEEP-RED	M-LINE DEEP BASE (90345),12-24VAC/DC RED	**$**	**43.70**
M-LINE BASE-DEEP-WH	M-LINE DEEP BASE (90346),12-24VAC/DC WHITE	**$**	**43.70**
M-LINE BASE-SH	M-LINE SHALLOW BASE (90367),12-24VAC/DC GREY	**$**	**35.40**
M-LINE BASE-SH-BLK	M-LINE SHALLOW BASE (90451),12-24VAC/DC BLACK	**$**	**35.40**
M-LINE BASE-SH-RED	M-LINE SHALLOW BASE (90343),12-24VAC/DC RED	**$**	**35.40**
M-LINE BASE-SH-WH	M-LINE SHALLOW BASE (90344), 12-24VAC/DC WHITE	**$**	**35.40**
M-LINE DBL-12/24V	M-LINE DOUBLE WALL MOUNT BASE (90372),12-24VAC/DC GREY	**$**	**70.00**
M-LINE DBL-12/24V-BL	M-LINE DOUBLE WALL MOUNT BASE (90454),12-24VAC/DC BLACK	**$**	**70.00**
M-LINE DBL-12/24V-WH	M-LINE DOUBLE WALL MOUNT BASE (90374),12-24VAC/DC WHITE	**$**	**70.00**
M-LINE DBL-230V	M-LINE DOUBLE WALL MOUNT BASE (90512),120/240VAC GREY	**$**	**264.30**
M-LINE DBL-230V-WH	M-LINE DOUBLE WALL MOUNT BASE (90514),120/240VAC WHITE	**$**	**264.30**
M-LINE FLUSH-12/24-W	M-LINE FLUSH MOUNT BASE (90375),12/24VAC/DC WHITE	**$**	**62.20**
M-LINE FLUSH-230V-WH	M-LINE FLUSH MOUNT BASE (90376),120/240VAC WHITE	**$**	**225.40**
M-LINE POLE-12/24V	M-LINE POLE MOUNT BASE (90610),12-24VAC/DC GREY	**$**	**46.70**
M-LINE POLE-230V	M-LINE POLE MOUNT BASE (90612),120/240VAC GREY	**$**	**209.80**
M-LINE WALL-12/24V	M-LINE WALL MOUNT BASE (90370),12-24VAC/DC GREY	**$**	**46.70**
M-LINE WALL-12/24V-R	M-LINE WALL MOUNT BASE (90347),12-24VAC/DC RED	**$**	**46.70**
M-LINE WALL-12/24V-W	M-LINE WALL MOUNT BASE (90348),12-24VAC/DC WHITE	**$**	**46.70**
M-LINE WALL-230V	M-LINE WALL MOUNT BASE (90371),120/240VAC GREY	**$**	**209.80**
M-LINE WALL-230V-WH	M-LINE WALL MOUNT BASE (90511),120/240VAC WHITE	**$**	**209.80**
M-LINE COLLAR IP69K	IP69K COLLAR FOR M-LINE MODULES (72248)	**$**	**9.80**
M-LINE CAGE SIZE 1	HEAVY DUTY STAINLESS STEEL CAGE(90551) SIZE 1 (SIR-E + BASE-SH)	**$**	**180.20**
M-LINE CAGE SIZE 2	HEAVY DUTY STAINLESS STEEL CAGE (90552) SIZE 2 (SIR-E + BASE-DEEP)	**$**	**187.10**
M-LINE CAGE SIZE 3	HEAVY DUTY STAINLESS STEEL CAGE (90553)SIZE 3 (SIR-E MAX + BASE-SH)	**$**	**216.50**
M-LINE CAGE SIZE 4	HEAVY DUTY STAINLESS STEEL CAGE (90554) SIZE 4	**$**	**223.70**
M-LINE-PNP-24VDC	M-LINE PNP DRIVE ADAPTOR 24VDC SUPPLY	**$**	**128.50**

SIRENA - Miniflash FLR LED Multifunction Beacons

Superbright multifunction LED beacon with 3 separate functions (steady, flashing, rotating), controllable independently via separate contacts. 110mm dia x 146mm high, IP54 rated

MINIFLASH-FLR-024-AM	LED MULTIFUNCTION BEACON 12-24VAC/DC, (66502), AMBER	**$**	**670.90**
MINIFLASH-FLR-024-BL	LED MULTIFUNCTION BEACON 12-24VAC/DC, (66501), BLUE	**$**	**670.90**
MINIFLASH-FLR-024-CL	LED MULTIFUNCTION BEACON 12-24VAC/DC, (66506), CLEAR	**$**	**670.90**
MINIFLASH-FLR-024-GR	LED MULTIFUNCTION BEACON 12-24VAC/DC, (66504), GREEN	**$**	**670.90**
MINIFLASH-FLR-024-RD	LED MULTIFUNCTION BEACON 12-24VAC/DC, (66503), RED	**$**	**670.90**
MINIFLASH-FLR-230-AM	LED MULTIFUNCTION BEACON 90-240VAC, (66512), AMBER	**$**	**670.90**
MINIFLASH-FLR-230-BL	LED MULTIFUNCTION BEACON 90-240VAC, (66511), BLUE	**$**	**670.90**
MINIFLASH-FLR-230-CL	LED MULTIFUNCTION BEACON 90-240VAC, (66516), CLEAR	**$**	**670.90**
MINIFLASH-FLR-230-GR	LED MULTIFUNCTION BEACON 90-240VAC, (66514), GREEN	**$**	**670.90**
MINIFLASH-FLR-230-RD	LED MULTIFUNCTION BEACON 90-240VAC, (66513), RED	**$**	**670.90**

Due to volatile international material costs, prices may change at short notice.
check before ordering

SIRENA - Rotallarm LED Rotating Beacons

Large multifunctional LED beacon with steady, flashing and rotating light effects controllable via independent electrical contacts, 212mm high x 168mm diameter, IP65 protected

ROTALLARM-LED-024/AM	LED BEACON, MULTIFUNCTION,12-24VAC/DC, (90062), AMBER	$	581.00
ROTALLARM-LED-024/BL	LED BEACON, MULTIFUNCTION,12-24VAC/DC, (90061), BLUE	$	581.00
ROTALLARM-LED-024/GR	LED BEACON, MULTIFUNCTION,12-24VAC/DC, (90064), GREEN	$	581.00
ROTALLARM-LED-024/RD	LED BEACON, MULTIFUNCTION,12-24VAC/DC, (90063), RED	$	581.00
ROTALLARM-LED-240/AM	LED BEACON, MULTIFUNCTION, 90-240VAC, (90082), AMBER	$	798.90
ROTALLARM-LED-240/BL	LED BEACON, MULTIFUNCTION, 90-240VAC, (90081), BLUE	$	798.90
ROTALLARM-LED-240/GR	LED BEACON, MULTIFUNCTION, 90-240VAC, (90084), GREEN	$	798.90
ROTALLARM-LED-240/RD	LED BEACON, MULTIFUNCTION, 90-240VAC, (90083), RED	$	798.90

SIRENA - Type 200 Rotating Mirror Beacons with halogen lamp

Flat base rotating beacon with 55W H1 halogen lamp, 200mm x 165mm Ø, IP55, available with red, orange, blue, green or clear high-impact polycarbonate lens

TYPE200-012-AMBER	ROTATING BEACON 12VAC/DC AMBER	$	520.30
TYPE200-012-GREEN	ROTATING BEACON 12VAC/DC GREEN	$	520.30
TYPE200-012-RED	ROTATING BEACON 12VAC/DC RED	$	520.30
TYPE200-024-AMBER	ROTATING BEACON 24VAC/DC AMBER	$	520.30
TYPE200-024-BLUE	ROTATING BEACON 24VAC/DC BLUE	$	493.10
TYPE200-024-GREEN	ROTATING BEACON 24VAC/DC GREEN	$	520.30
TYPE200-024-RED	ROTATING BEACON 24VAC/DC RED (26363)	$	520.30
TYPE200-110-AMBER	ROTATING BEACON 110VAC AMBER	$	600.30
TYPE200-110-BLUE	ROTATING BEACON 110VAC BLUE	$	569.00
TYPE200-110-GREEN	ROTATING BEACON 110VAC GREEN	$	600.30
TYPE200-110-RED	ROTATING BEACON 110VAC RED	$	600.30
TYPE200-240-AMBER	ROTATING BEACON 240VAC AMBER (26392)	$	600.30
TYPE200-240-BLUE	ROTATING BEACON 240VAC BLUE	$	569.00
TYPE200-240-GREEN	ROTATING BEACON 240VAC GREEN	$	600.30
TYPE200-240-RED	ROTATING BEACON 240VAC RED (26393)	$	600.30
TYPE200-AMB-LENS	LENS, TYPE 200 BEACON, AMBER	$	59.60
TYPE200-BLUE-LENS	LENS, TYPE 200 BEACON, BLUE	$	59.60
TYPE200-CLEAR-LENS	LENS, TYPE 200 BEACON, CLEAR	$	59.60
TYPE200-GREEN-LENS	LENS, TYPE 200 BEACON, GREEN	$	59.60
TYPE200-RED-LENS	LENS, TYPE 200 BEACON, RED	$	59.60
PGLAMP-12V	HALOGEN LAMP, 12V 55W FOR 12/110/230V PG (71602)	$	54.60
PGLAMP-24V	HALOGEN LAMP, 24V 70W FOR 24V PG SERIES	$	93.10

Q-LIGHT - LED Rotating Mirror Beacons

Qlight range of heavy duty IP66 LED light source rotating mirror beacons with cast Aluminium housing and polycarbonate lens, inclusive of stainless steel wire cage.

QL-SH2TLRP-220-A	LED ROTATING BEACON WITH WIRE CAGE, 230VAC, AMBER	$	450.50
QL-SH2TLRP-220-R	LED ROTATING BEACON WITH WIRE CAGE, 230VAC, RED	$	450.50
QL-SH2TLRP-24-A	LED ROTATING BEACON WITH WIRE CAGE, 24VDC, AMBER	$	415.00
QL-SH2TLRP-24-B	LED ROTATING BEACON WITH WIRE CAGE, 24VDC, BLUE	$	415.00
QL-SH2TLRP-24-R	LED ROTATING BEACON WITH WIRE CAGE, 24VDC, RED	$	415.00

SIRENA - Automotive/Transport Beacons

Rotating beacons designed to stand up to the rigours of use on automotive and agricultural vehicles and machinery, with impact-resistant lenses and fibreglass reinforced polyamide bases. Magnetic, suction cup or pole mounted options, halogen lamp-powered (55W), IP55 rated

MICROBOULE-1MV-12V	ROTATING BEACON,12VDC 55W, MAGNETIC MOUNTING (74760) AMBER	$	232.60
MICROBOULE-1MV-24V	ROTATING BEACON, 24VDC 70W, MAGNETIC MOUNTING, (74761) AMBER	$	232.60
MICROBOULE-FLEX-12V	ROTATING BEACON,12VDC 55W ,FLEX MOUNTING, (74559) AMBER	$	140.10
MICROBOULE-LAMP-24V	HALOGEN LAMP, 24V/35W H1, FOR MICROBOULE (72760)	$	25.80

SIRENA - Automotive Adaptors & Connectors

MB-ADAPTOR-B	MICROBOULE ADAPTOR - HORIZONTAL MOUNTING	$	42.50
MB-ADAPTOR-FZ	MICROBOULE ADAPTOR - THREADED	$	42.10
MB-ADAPTOR-S	MCIROBOULE ADAPTOR FOR WELDING	$	29.40
MB-ADAPTOR-SPL/D	MICROBOULE ADAPTOR - VERTICAL MOUNTING	$	133.00
MB-CAB-SAC	POWER ADAPTOR WITH FLAT CABLE	$	46.30
MB-CSP-SAC	POWER ADAPTOR WITH 4.5M CURLY CORD	$	63.50
MB-SAC	POWER ADAPTOR-CIGARETTE LIGHTER	$	21.10

SIRENA - Crystal 8 LED Beacons for Vehicles

CRYSTAL-LED-A-AMBER	LED BEACON, 12-24VDC POLE MOUNTING, (36440) AMBER	$	442.90
CRYSTAL-LED-A-RED	LED BEACON, 12-24VDC POLE MOUNTING, (36457) RED	$	442.90
CRYSTAL-LED-B-AMBER	LED BEACON, 12-24VDC BASE MOUNTING, (36417) AMBER	$	409.80
CRYSTAL-LED-M-AMBER	LED BEACON 12-24VDC MAGNETIC BASE, (36437) AMBER	$	465.30

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SIRENA - SIR Touch LED Beacon/Sounder combo

SIR-TOUCH/LED-024	ACOUSTIC SOUNDER WITH LED BEACON, (90752),120dB,12/24VAC/DC	$	1,040.00
SIR-TOUCH/LED-230	ACOUSTIC SOUNDER WITH LED BEACON, (90753),120dB, 85-265VAC	$	1,105.00
SIR-TOUCH-024	SOUNDER, 64 TONES, MULTIFUNCTION, (90750),120dB,12/24VAC/DC	$	904.10
SIR-TOUCH-230	SOUNDER, 64 TONES, MULTIFUNCTION, (90751),120dB, 85-265AC	$	960.20
SIR-TOUCH-SEP	SEP BRACKET FOR SIR-TOUCH RANGE	$	91.30
SIR-TOUCH-WALL	WALL MOUNTING BRACKET, (90754), FOR SIR-TOUCH SOUNDER	$	84.20

EATON - Flashni Xenon Strobe / Sounder Combination

Combination Xenon flasher 0.7J energy@1Hz flash rate and Roshni sounder 101dB, 18-30Vdc, 68mA@24Vdc. Available with amber, blue, green, red or white lens. IP54 protection with shallow base (standard), IP65 with deep base option. 93mm dia x 92 mm high with shallow base. In addition they can be powered from 110Vac or 230Vac by using a Deep Powered Base that incorporates a 100mA 24Vdc power supply

FLASHNI-FL-BL-W-S	SOUNDER/BEACON 18-30VDC WHITE BASE, BLUE LENS	$	367.50
FLASHNI-FL-GL-W-S	SOUNDER/BEACON 18-30VDC WHITE BASE, GREEN LENS	$	367.50
FLASHNI-FL-RL-R-S	SOUNDER/BEACON 18-30VDC RED BASE, RED LENS	$	367.50
FLASHNI-FL-RL-W-S	SOUNDER/BEACON 18-30VDC WHITE BASE, RED LENS	$	367.50
FLASHNISEP-FL-AL-R-D	SOUNDER/BEACON 18-30VDC, SEPARATELY SWITCHED, RED BASE, AMBER LENS	$	367.50
FLASHNISEP-FL-CL-W-S	SOUNDER/BEACON 18-30VDC, SEPARATELY SWITCHED, WHITE BASE, CLEAR LENS	$	367.50
FLASHNISEP-FL-RL-R-D	SOUNDER/BEACON 18-30VDC, SEPARATELY SWITCHED, RED BASE, RED LENS	$	367.50
FLASHNISEP-FL-RL-W-D	SOUNDER/BEACON 18-30VDC, SEPARATELY SWITCHED, WHITE BASE, RED LENS	$	367.50

FLASHNISEP model strobe/sounder units feature separate terminals for independent operation of the sounder and beacon functions

EATON - ROLP/Solista MAXI LED Beacon/Sounder Combination

A combination unit utilising the SOLISTA Maxi LED beacon and the Roshni ROLP 32 tone, two stage, low profile, 101dB sounder with 20dB volume control. The LED beacon has a 0.5Cd light output, flash rate 1Hz. Units are supplied standard as IP54 with a shallow base. IP65 can be provided by using a deep base. In addition they can be powered from 110Vac or 230Vac by using a Deep Powered Base that incorporates a 100mA 24Vdc power supply

ROLP-MAXI-SOLISTA	RED LED BEACON & SOUNDER 9-28Vdc,with Shallow Base	$	216.80
BASE-DEEP-RED	FULLEON SOUNDER/BEACON BASE, 50x93mm, RED	$	23.80
BASE-DEEP-PWD-RED	FULLEON POWERED BASE, 50x93mm, INPUT 110-240VAC - OUT 24VDC 100mA, RED	$	58.20

EATON - Roshni ROLP/Solex Xenon Strobe-Sounder Combination

An IP65 combination unit utilising the SOLEX 2J Xenon strobe and the Roshni ROLP 32 tone, two stage, low profile, 101dB sounder with 20dB volume cut via DIP switch. Conduit entries at each end. Available in 10-30Vdc or 86-264Vac versions. IP65 protected, available lens colours are amber, blue, green or red

ROSHNI-ROLP-SOA-024	SOUNDER/STROBE COMBO, IP65, 24VDC, AMBER	$	383.40
ROSHNI-ROLP-SOA-230	SOUNDER/STROBE COMBO, IP65, 84-265VAC, AMBER	$	453.50
ROSHNI-ROLP-SOB-024	SOUNDER/STROBE COMBO, IP65, 24VDC, BLUE	$	383.40
ROSHNI-ROLP-SOB-230	SOUNDER/STROBE COMBO, IP65, 84-265VAC, BLUE	$	453.50
ROSHNI-ROLP-SOG-024	SOUNDER/STROBE COMBO, IP65, 24VDC, GREEN	$	383.40
ROSHNI-ROLP-SOG-230	SOUNDER/STROBE COMBO, IP65, 84-265VAC, GREEN	$	453.50
ROSHNI-ROLP-SOR-024	SOUNDER/STROBE COMBO, IP65, 24VDC, RED	$	382.40
ROSHNI-ROLP-SOR-230	SOUNDER/STROBE COMBO, IP65, 84-265VAC, RED	$	453.50

Q-LIGHT - QWCD Series Multi-tone and MP3 LED Beacon/Sounder Combination

A new concept combination unit using the horn cover as a light box. The range has two models : the basic model with 31 built-in sounds, and an external sound (MP3) type model. There are 7 different playback functions, up to 31 mp3 files can be saved on a separte SD card. Available lens colours are amber, blue, green or red. IP66 protected. 115dB and 123dB versions

QL-QWCD35-24V-A	SOUNDER-LED BEACON,12/24VDC,115Db, 31 SOUNDS, AMBER	$	513.70
QL-QWCD35-24V-R	SOUNDER-LED BEACON,12/24VDC,115Db, 31 SOUNDS, RED	$	513.70
QL-QWCD35SD(T) 24V-B	SOUNDER-LED BEACON, TERMINAL BOX ,12//24VDC,118DB, MP3 + 31 TONES, C/W SD, BLUE	$	971.00
QL-QWCD35SD-24V-A	SOUNDER-LED BEACON,12/24VDC,113Db, MP3 + 31 TONES, C/W SD, AMBER	$	886.30
QL-QWCD35SD-24V-B	SOUNDER-LED BEACON,12/24VDC,113Db, MP3 + 31 TONES, C/W SD, BLUE	$	886.30
QL-QWCD35SD-24V-R	SOUNDER-LED BEACON,12/24VDC,113Db, MP3 + 31 TONES, C/W SD, RED	$	886.30
QL-QWCD35SD-220V-A	SOUNDER-LED BEACON,110/220VAC,113Db, MP3 + 31 TONES, C/W SD, AMBER	$	999.20
QL-QWCD35SD-220V-B	SOUNDER-LED BEACON,110/220VAC,113Db, MP3 + 31TONES, C/W SD, BLUE	$	999.20
QL-QWCD35SD-220V-R	SOUNDER-LED BEACON,110/220VAC,113Db, MP3 + 31 TONES, C/W SD, RED	$	886.30
QL-QWCD50-220V-R	SOUNDER-LED BEACON,110/220VAC,123Db, 31TONES, RED	$	1,185.50
QL-QWCD50SD-24V-A	SOUNDER-LED BEACON,12//24VDC,118DB, MP3 + 31 TONES, C/W SD, AMBER	$	1,332.30
QL-QWCD50SD-24V-B	SOUNDER-LED BEACON,12//24VDC,118DB, MP3 + 31 TONES, C/W SD, BLUE	$	1,332.30
QL-QWCD50SD-24V-R	SOUNDER-LED BEACON,12//24VDC,118DB, MP3 + 31 TONES, C/W SD, RED	$	1,332.30
QL-QWCD50SD-220V-A	SOUNDER-LED BEACON,110/220VAC,118DB, MP3 + 31TONES, C/W SD, AMBER	$	1,450.80
QL-QWCD50SD-220V-B	SOUNDER-LED BEACON,110/220VAC,118DB, MP3 + 31 TONES, C/W SD, BLUE	$	1,450.80

Other colours and voltages available on indent request

AUER SIGNAL - Visual-Audible Alarms

QDS-ASS-T - LED Beacon/sounder Combination 94mm cubic design multi-tone alarm sounder and LED steady/flashing beacon. IP66, 32 tone options, 3 tones can be switched externally

QDS/ASST-024-AMB	LED BEACON-SOUNDER IP66, STEADY OR FLASHING, 24VAC/DC AMBER	$	627.20
QDS/ASST-024-RED	LED BEACON-SOUNDER IP66, STEADY OR FLASHING, 24VAC/DC, RED	$	627.30
QDS/ASST-230-AMB	LED BEACON-SOUNDER IP66, STEADY OR FLASHING, 230VAC, AMBER	$	737.90
QDS/ASST-230-RED	LED BEACON-SOUNDER IP66, STEADY OR FLASHING, 230VAC, RED	$	747.20

Due to volatile international material costs, prices may change at short notice.
check before ordering

AUER SIGNAL - Panel Mounted Flashers/Buzzers

Panel mount (22mm hole) IP65, flashers and buzzer/flashers, adjustable volume on buzzers

ELM-AMB-12V	BUZZER/BEACON, PANEL MOUNT, Ø 45mm, 98dB, 12VAC/DC, AMBER	$	256.10
ELM-AMB-240V	BUZZER/BEACON, PANEL MOUNT, Ø 45mm, 98dB, 240VAC, AMBER	$	286.60
ELM-AMB-24V	BUZZER/BEACON, PANEL MOUNT, Ø 45mm, 98dB, 24VAC/DC, AMBER	$	256.10
ELM-RED-12V	BUZZER/BEACON, PANEL MOUNT, Ø 45mm, 98dB, 12VAC/DC, RED	$	256.10
ELM-RED-240V	BUZZER/BEACON, PANEL MOUNT, Ø 45mm, 98dB, 240VAC, RED	$	286.60
ELM-RED-24V	BUZZER/BEACON, PANEL MOUNT, Ø 45mm, 98dB, 24VAC/DC, RED	$	256.10
ELG-AMB-12V	BUZZER/BEACON, PANEL MOUNT, Ø 65mm, 103dB, 12VAC/DC, AMBER	$	329.40
ELG-AMB-240V	BUZZER/BEACON, PANEL MOUNT, Ø 65mm, 103dB, 240VAC, AMBER	$	360.40
ELG-AMB-24V	BUZZER/BEACON, PANEL MOUNT, Ø 65mm, 103dB, 24VAC/DC, AMBER	$	329.40
ELG-RED-12V	BUZZER/BEACON, PANEL MOUNT, Ø 65mm, 103dB, 12VAC/DC, RED	$	329.40
ELG-RED-240V	BUZZER/BEACON, PANEL MOUNT, Ø 65mm, 103dB, 240VAC, RED	$	360.40
ELG-RED-24V	BUZZER/BEACON, PANEL MOUNT, Ø 65mm, 103dB, 24VAC/DC, RED	$	329.40

IBM-AMB-12V	LED BEACON, PANEL MOUNT, Ø 45mm, 12VAC/DC, AMBER	$	203.90
IBM-AMB-240V	LED BEACON, PANEL MOUNT, Ø 45mm, 240VAC, AMBER	$	203.90
IBM-AMB-24V	LED BEACON, PANEL MOUNT, Ø 45mm, 24VAC/DC, AMBER	$	203.90
IBM-BLU-240V	LED BEACON, PANEL MOUNT, Ø 45mm, 240VAC, BLUE	$	242.10
IBM-BLU-24V	LED BEACON, PANEL MOUNT, Ø 45mm, 24VAC/DC, BLUE	$	239.10
IBM-GRN-12V	LED BEACON, PANEL MOUNT, Ø 45mm,12VAC/DC, GREEN	$	286.50
IBM-GRN-240V	LED BEACON, PANEL MOUNT, Ø 45mm, 240VAC, GREEN	$	286.50
IBM-GRN-24V	LED BEACON, PANEL MOUNT, Ø 45mm, 24VAC/DC, GREEN	$	286.50
IBM-RED-12V	LED BEACON, PANEL MOUNT, Ø 45mm,12VAC/DC, RED	$	203.90
IBM-RED-240V	LED BEACON, PANEL MOUNT, Ø 45mm, 240VAC, RED	$	203.90
IBM-RED-24V	LED BEACON, PANEL MOUNT, Ø 45mm, 24VAC/DC, RED	$	203.90

ITL-230V	LED BEACON, 2-COLOUR PANEL MOUNT, Ø 65mm, 230VAC, RED/GREEN	$	269.50
ITL-24V	LED BEACON, 2-COLOUR PANEL MOUNT, Ø 65mm, 24VAC/DC, RED/GREEN	$	269.50
ITM-230V	LED BEACON, 2-COLOUR PANEL MOUNT, Ø 45mm, 230VAC, RED/GREEN	$	245.90
ITM-24V	LED BEACON, 2-COLOUR PANEL MOUNT, Ø 45mm, 24VAC/DC, RED/GREEN	$	245.90

ICL-AMB-230V	LED STROBE BEACON, M22 PANEL MOUNT, Ø 65mm, 230VAC, AMBER	$	238.90
ICL-AMB-24V	LED STROBE BEACON, M22 PANEL MOUNT, Ø 65mm, 24VAC/DC, AMBER	$	238.90
ICL-RED-230V	LED STROBE BEACON, M22 PANEL MOUNT, Ø 65mm, 230VAC, RED	$	238.90
ICL-RED-24V	LED STROBE BEACON, M22 PANEL MOUNT, Ø 65mm, 24VAC/DC, RED	$	238.90
PANEL-ADAPT	PANEL MOUNT ADAPTOR, M30 TO M22	$	36.90

SIRENA - P40 Series Panel Mounted Beacons/Buzzers

The P40 series of panel mount 40mm dia (30mm hole) beacons/buzzers offer multifunction LED steady/flashing beacons in red, amber or green lens colours with 3 levels of alarm (steady, flashing, strobe). Also in the range are multicolour LED (R/G/A) 3-level warning beacons, 3-level LED flasher/sounder combo units, and 2-level piezoelectric sounder. All alarm stages are controllable via independent contacts, and wide voltage inputs of 12-24Vac/dc and 48-240Vac make this one of the most unique and versatile ranges of small warning devices available. All units are 41mm diameter and protected to a minimum standard of IP65.

P40-A/024	PIEZO SOUNDER, (91177), M30 PANEL MOUNT, 2-STAGE, Ø 40mm, 85dB, 12-24VAC/DC	$	148.80
P40-A/230	PIEZO SOUNDER, (91179), M30 PANEL MOUNT, 2-STAGE, Ø 40mm, 85dB, 48-240VAC	$	197.10
P40-A-LED-AMB/024	SOUNDER/BEACON, (91182), M30 MOUNT, 3-STAGE, 85dB, Ø 40mm, 12-24VAC/DC, AMBER	$	176.40
P40-A-LED-AMB/230	SOUNDER/BEACON, (91202), M30 MOUNT, 3-STAGE, 85dB, Ø 40mm, 48-240VAC, AMBER	$	224.80
P40-A-LED-GRN/024	SOUNDER/BEACON, (91184), M30 MOUNT, 3-STAGE, 85dB, Ø 40mm, 12-24VAC/DC, GREEN	$	176.40
P40-A-LED-GRN/230	SOUNDER/BEACON, (91204), M30 MOUNT, 3-STAGE, 85dB, Ø 40mm, 48-240VAC, GREEN	$	224.80
P40-A-LED-RED/024	SOUNDER/BEACON, (91183), M30 MOUNT, 3-STAGE, 85dB, Ø 40mm, 12-24VAC/DC, RED	$	176.40
P40-A-LED-RED/230	SOUNDER/BEACON, (91203), M30 MOUNT, 3-STAGE, 85dB, Ø 40mm, 48-240VAC, RED	$	224.80
P40-RGA/230	LED BEACON, (91171), M30 MOUNT, MULTI-FUNCTION, Ø 40mm, 48-240VAC, R/G/A	$	197.00
P40-S-AMB/024	LED BEACON, (91132), M30 MOUNT, MULTI-FUNCTION, Ø 40mm, 12-24VAC/DC, AMBER	$	249.00
P40-S-AMB/230	LED BEACON, (91152), M30 MOUNT, MULTI-FUNCTION, Ø 40mm, 48-240VAC, AMBER	$	249.00
P40-S-GRN/024	LED BEACON, (91134), M30 MOUNT, MULTI-FUNCTION, Ø 40mm,12-24VAC/DC, GREEN	$	249.00
P40-S-GRN/230	LED BEACON, (91154), M30 MOUNT, MULTI-FUNCTION, Ø 40mm, 48-240VAC, GREEN	$	249.00
P40-S-RED/024	LED BEACON, (91133), M30 MOUNT, MULTI-FUNCTION, Ø 40mm,12-24VAC/DC, RED	$	249.00
P40-S-RED/230	LED BEACON, (91153), M30 MOUNT, MULTI-FUNCTION, Ø 40mm, 48-240VAC, RED	$	249.00
P50-RGB	LED BEACON, (91337), M22 MOUNT, MULTI-FUNCTION, Ø 50mm, 12-24VAC/DC, 6 COLOUR	$	240.60

AUER SIGNAL - Smart Dot LED-Multifunction Beacon

SD50-A	SMARTDOT 50 BASIC BEACON,18-30VDC M12-5W, AMBER	$	245.00
SD50-G	SMARTDOT 50 BASIC BEACON,18-30VDC M12-5W, GREEN	$	245.00
SD50-R	SMARTDOT 50 BASIC BEACON, 18-30VDC M12-5W, RED	$	245.00
SD50-GAR-DL	SMARTDOT 50 BASIC BEACON DAYLIGHT,18-30VDC M12-5W, RED/GREEN/AMBER	$	260.00
SD50-GR	SMARTDOT 50 BASIC BEACON,18-30VDC M12-5W, RED/GREEN	$	256.50
SD50-GYR	SMARTDOT 50 BASIC BEACON,18-30VDC M12-5W, RED/GREEN/YELLOW	$	265.00
SD50-MC7-W	SMARTDOT 50 STANDARD BEACON,18-30VDC M12-5W, MULTICOLOUR	$	395.00
SD50T-GYR	SMART DOT 50 BASIC TOUCH BUTTON, GREEN YELLOW RED,18-30VDC M12-5	$	320.00
SD50T-MC7-S	SMART DOT 50 BASIC STAINLESS TOUCH BUTTON, MULTICOLOUR, 18-30VDC M12-5	$	615.00
SD50A-BUZZ	SMARTDOT 50 BUZZER MULTI-TONE, 90dB 10-30VDC M12-5W	$	268.79
SD50AS-BUZZ	SMARTDOT 50 STAINLESS BUZZER MULTI-TONE, 90dB 10-30VDC M12-5W	$	478.00

SI50-GYR	SMART INDICATOR 50 BASIC BEACON, GREEN-YELLOW-RED 18-30VDC, M12-5W	$	343.00
SI50IO-MC	SMART INDICATOR 50 BASIC BEACON, IO-LINK, MULTICOLOUR, 18-30VDC, M12-5W	$	392.00
SI50-MC7	SMART INDICATOR 50 STANDARD BEACON, MULTI-COLOUR, 10-30VDC M12-5	$	375.00

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check before ordering

Q-LIGHT - Aviation approved Obstruction Lights

Low intensity A type aviation obstruction lights are installed onto fixed objects that are less than 150m from the land or water surface. Applied on tall structures for collision avoidance measures and airport runway safety. Long life LED lamp. Excellent durability from polycarbonate lens on an aluminum housing.

QL-SAOL1-RED-24VDC	OBSTRUCTION LIGHT, LOW INTENSITY,17cd, Ø115mm x 275mm, 24VDC, RED	**$**	**598.95**

Q-LIGHT - IECEX Approved Exd Sounders and LED strobe combinations

Qlight is leading supplier of explosion proof signaling over the last couple of decades. Exproof solutions in order to meet customers' unique needs at a low cost. Applications : Ship building, Oil & Gas, On/Offshore, Fire alarm and safety, Power plant.

QL-SEAL-24-A-IECEX	EXd BEACON, IECEX APPROVED, LED STEADY OR FLASHING, 24VDC, AMBER	**$**	**1,586.30**
QL-SEAL-24-B-IECEX	EXd BEACON, IECEX APPROVED, LED STEADY OR FLASHING, 24VDC, BLUE	**$**	**1,586.30**
QL-SEAL-24-R-IECEX	EXd BEACON, IECEX APPROVED, LED STEADY OR FLASHING, 24VDC, RED	**$**	**1,586.30**
QL-QNE-12/24-R-IECEX	EXd BEACON, IECEX, LED STEADY, FLASHING, STROBE, REVOLVING, 12-24VDC, RED	**$**	**1,075.00**
QL-QNE-230-R-IECEX	EXd BEACON, IECEX, LED STEADY, FLASHING, STROBE, REVOLVING, 230VAC, RED	**$**	**1,155.00**

QLSESALR-WS-220-R	EXd BEACON, IECEX APPROVED, REVOLVING LED, 24VDC, RED	**$**	**1,509.40**
QLSESALR-WS-220-R-LC	EXd BEACON/SOUNDER, IECEX, REVOLVING LED, 220VAC, RED	**$**	**2,361.70**
QLSESALWS-24-A-IECEX	EXd BEACON/SOUNDER, IECEX,118dB, LED STEADY OR FLASHING, 24VDC, AMBER	**$**	**3,140.78**
QLSESALWS-24-B-IECEX	EXd BEACON/SOUNDER, IECEX,118dB, LED STEADY OR FLASHING, 24VDC, BLUE	**$**	**3,140.78**
QLSESALWS-24-R-IECEX	EXd BEACON/SOUNDER, IECEX,118dB, LED STEADY OR FLASHING, 24VDC, RED	**$**	**3,140.78**
QLQNES-WS-24-R-IECEX	EXd BEACON/SOUNDER, IECEX,110dB, LED STEADY OR FLASHING, 12-24VDC, RED	**$**	**1,570.80**

Q-LIGHT - IECEX Approved Exd Sounders

QL-SPNA-WS-24-IECEX	EXd SOUNDER, IECEX,118dB, 5 STANDARD TONES, 24VDC	**$**	**1,900.00**

Q-LIGHT - Exd IECEX Approved LED Tower Lights

QL-QTEX-4-RAGB-IECEX	LED EX T AMBER/GREEN/BLUE	**$ POA**
QL-QTEX-5-RAGBW-IEC	LED EX T AMBER/GREEN/BLUE/WHITE	**$ POA**
QL-QTEXB-5-24-RAGBW	LED EX T AMBER/GREEN/BLUE/WHITE + BUZZER	**$ POA**

PFANNENBERG - Intrinsically Safe Hazardous Area Sounders and Beacons

IS-MA1	I.S. SOUNDER, 24VDC,102DB, 49 TONES, EEx ia T4, IECEx SIR 060045X	**$**	**770.00**
IS-MB1-RED	I.S.LED BEACON - RED, 24VDC, EEx ia IIC T4, IECEx SIR 060045X	**$**	**915.00**

Must be driven from the Safe Area by an appropriate I.S Isolator or Barrier, please contact us for more detail

TOWER LIGHTS

Auer Signal PC7 LED-Integrated Tower Light Sectors, IP66
70mm diameter multifunction LED Signal Tower accommodates up to 7 tower sectors, making it the tallest signal tower currently available. Using 24Vac/dc or 120-240Vac power supplies, the signal tower modules offer steady light, multifunction flashing light or rotating light functions. A 7-colour RGB module can change colours from external switching. The PC7 range LED modules are up to 6 times brighter than comparable signal towers, and include optional top light modules offering hemispherical visibility. There is also a range of multi-tone sounders with adjustable volume for mounting either inline or in the topmost postion, including a recordable voice/MP3 sound module for signalling voice instructions or melodies.

AUER SIGNAL - PC7 LIGHT SECTORS

PC7DC-AMBER	LED STEADY LIGHT TOWER SECTOR, 24VAC/DC, BLACK-AMBER	$	158.20
PC7DCB-AMBER	LED STEADY/FLASHING LIGHT TOWER SECTOR, TOP MODULE, 24VAC/DC, BLACK- AMBER	$	208.90
PC7DC-BLUE	LED STEADY LIGHT TOWER SECTOR, 24VAC/DC, BLACK-BLUE	$	158.20
PC7DC-CLEAR	LED STEADY LIGHT TOWER SECTOR, 24VAC/DC, BLACK-CLEAR	$	158.20
PC7DC-GREEN	LED STEADY LIGHT TOWER SECTOR, 24VAC/DC, BLACK-GREEN	$	158.20
PC7DC-RED	LED STEADY LIGHT TOWER SECTOR, 24VAC/DC, BLACK-RED	$	158.20
PC7DF-AMBER	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- AMBER	$	194.10
PC7DF-BLUE	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- BLUE	$	194.10
PC7DF-CLEAR	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- CLEAR	$	194.10
PC7DF-GREEN	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- GREEN	$	194.10
PC7DF-MAGENTA	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- MAGENTA	$	194.10
PC7DF-RED	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- RED	$	194.10
PC7DF-YELLOW	LED MULTIFUNCTIONAL TOWER SECTOR, 24VAC/DC, BLACK- YELLOW	$	194.10
PC7DFB-AMBER	LED MULTIFUNCTIONAL TOWER TOP SECTOR, 24VAC/DC, BLACK- AMBER	$	265.70
PC7DFB-BLUE	LED MULTIFUNCTIONAL TOWER TOP SECTOR, 24VAC/DC, BLACK- BLUE	$	265.70
PC7DFB-CLEAR	LED MULTIFUNCTIONAL TOWER TOP SECTOR, 24VAC/DC, BLACK- CLEAR	$	265.70
PC7DFB-GREEN	LED MULTIFUNCTIONAL TOP SECTOR, 24VAC/DC, BLACK-GREEN	$	265.70
PC7DM	LED MULTI-COLOUR TOWER SECTOR, 7 COLOURS, 24VAC/DC, BLACK-CLEAR	$	398.50
PC7DMB	LED MULTI-COLOUR, TOWER TOP SECTOR, 7 COLOURS, 24VAC/DC, BLACK-CLEAR	$	437.70
PC7DR-AMBER	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-AMBER	$	271.40
PC7DR-BLUE	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-BLUE	$	271.40
PC7DR-CLEAR	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-CLEAR	$	271.40
PC7DR-GREEN	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-GREEN	$	271.40
PC7DR-MAGENTA	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-MAGENTA	$	271.40
PC7DR-RED	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-RED	$	271.40
PC7DR-YELLOW	LED ROTATING LIGHT TOWER SECTOR, 24VAC/DC, BLACK-YELOW	$	271.40
PC7DRB-AMBER	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-AMBER	$	294.50
PC7DRB-BLUE	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-BLUE	$	294.50
PC7DRB-CLEAR	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-CLEAR	$	294.50
PC7DRB-GREEN	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-GREEN	$	294.50
PC7DRB-MAGENTA	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-MAGENTA	$	294.50
PC7DRB-RED	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-RED	$	294.50
PC7DRB-YELLOW	LED ROTATING LIGHT TOWER TOP SECTOR, 24VAC/DC, BLACK-YELLOW	$	294.50

AUER SIGNAL - PC7 SOUNDER SECTORS

PC7TD	PC7 TOWER, SOUNDER,16 TONES, TOP MOUNT MODULE	$	294.60
PC7VS	PC7 TOWER, RECORDABLE MP3 SOUNDER,TOP MOUNT MODULE	$	928.60
PC7ZI	PC7 TOWER, PIEZO BUZZER, 8 TONES, INLINE MOUNT MODULE	$	208.20
PC7ZM	PC7 TOWER, PIEZO BUZZER, 8 TONES,TOP MOUNT MODULE	$	169.70

AUER SIGNAL - PC7 BASES AND MOUNTING ACCESSORIES

PC7BHV3	PC7 TOWER UPPER BASE FOR UP TO 3 MODULES,120-240VAC, BLACK	$	130.30
PC7BHV7	PC7 TOWER UPPER BASE FOR UP TO 7 MODULES,120-240VAC, BLACK	$	247.60
PC7BLV	PC7 TOWER UPPER BASE FOR UP TO 7 MODULES, 24VAC/DC, BLACK	$	60.50
PC7MC5	PC7 TOWER BASE, BLACK, 24VAC/DC, 5-PIN M12 CONNECTOR	$	139.20
PC7MV	PC7 TOWER BASE FOR VERTICAL WALL MOUNT	$	43.80
PC7MW	PC7 TOWER BASE FOR HORIZONTAL MOUNTING, 1/2" NPT THREAD	$	45.50
PC7MR-100	PC7 100mm ALUMINIUM TUBE TOWER BASE WITH FOOT	$	113.30
PC7MR-250	PC7 250mm ALUMINIUM TUBE TOWER BASE WITH FOOT	$	138.60
PC7MR-400	PC7 400mm ALUMINIUM TUBE TOWER BASE WITH FOOT	$	187.00
PC7MR-600	PC7 600mm ALUMINIUM TUBE TOWER BASE WITH FOOT	$	317.60
PC7RS	PC7 100mm ALI TUBE TOWER BASE WITH MOUNTING SCREW	$	155.80
PC7TM	PC7 TOWER TRANSITION MODULE, ALLOWS ALL PC7 MODULES TO BE USED 24VAC/DC	$	126.30

AUER SIGNAL - Half Dome 90 Signal Tower Lights – LED-Integrated

IP65 signal tower, red, amber, green, blue, yellow and clear light sectors in 3 - 5 light combinations, in chrome finish housing (white housing also available). Optional 70 -
Note: These units are indent items, not stocked in NZ.

HD90-Q01	HALF-DOME TOWER 24VDC RED/AMBER/GREEN LED	$	693.40
HD90-Q02	HALF-DOME TOWER 24VDC RED/GREEN LED	$	487.60
HD90-Q31	HALF-DOME TOWER 24VDC RED/AMBER/GREEN LED + BUZZER	$	649.40
HD90-Q32	HALF-DOME TOWER 24VDC RED/GREEN LED PLUS BUZZER	$	518.00
HD90-Q36	HALF-DOME TOWER 24VDC R/A/G/B/C PLUS BUZZER	$	740.80
HD90-Q51	HALF-DOME TOWER 230VAC RED/AMBER/GREEN LED	$	509.90

Due to volatile international material costs, prices may change at short notice.
check before ordering

SIRENA - TOWER LIGHTS TWS SMD LED-Integrated, IP65

70mm diameter multifunction LED tower sectors available in 24Vac/dc or 230Vac, continuous light or 3 different flash modes selectable via DIP switch, 100,000 hours life, high-intensity LED's and fresnel lens for greater visibility. Each tower requires connecting & mounting accessories (see below); a minimum installation requires a TWS-BC wiring base and cover and a TWS-BS standard mounting foot, but many other options are listed below

SIRENA - TWS LIGHT SECTORS

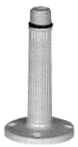
TWSSMD-M-110/GR	TWS LED TOWER SECTOR, (36514), MULTI FUNCTION,110VAC, GREEN	**$**	**165.30**
TWSSMD-M-24/AM	TWS LED TOWER SECTOR, (36502), MULTIFUNCTION, 24VAC/DC, AMBER	**$**	**165.30**
TWSSMD-M-24/BL	TWS LED TOWER SECTOR, (36501), MULTIFUNCTION, 24VAC/DC, BLUE	**$**	**165.30**
TWSSMD-M-24/CL	TWS LED TOWER SECTOR, (36506), MULTIFUNCTION, 24VAC/DC, CLEAR	**$**	**165.30**
TWSSMD-M-24/GR	TWS LED TOWER SECTOR, (36504), MULTIFUNCTION, 24VAC/DC, GREEN	**$**	**165.30**
TWSSMD-M-24/RD	TWS LED TOWER SECTOR, (36503), MULTIFUNCTION, 24VAC/DC, RED	**$**	**165.30**
TWSSMD-M-24/YE	TWS LED TOWER SECTOR, (36505), MULTIFUNCTION, 24VAC/DC, YELLOW	**$**	**165.30**
TWSSMD-M-240/AM	TWS LED TOWER SECTOR, (36522), MULTIFUNCTION, 240VAC, AMBER	**$**	**165.30**
TWSSMD-M-240/BL	TWS LED TOWER SECTOR, (36521), MULTIFUNCTION, 240VAC, BLUE	**$**	**165.30**
TWSSMD-M-240/CL	TWS LED TOWER SECTOR, (36526), MULTIFUNCTION, 240VAC, CLEAR	**$**	**165.30**
TWSSMD-M-240/GR	TWS LED TOWER SECTOR, (36524), MULTIFUNCTION, 240VAC, GREEN	**$**	**165.30**
TWSSMD-M-240/RD	TWS LED TOWER SECTOR, (36523), MULTIFUNCTION, 240VAC, RED	**$**	**165.30**
TWSSMD-M-240/YE	TWS LED TOWER SECTOR, (36525), MULTIFUNCTION, 240VAC, YELLOW	**$**	**165.30**

SIRENA - TWS SOUNDER SECTORS

TWS-A+-AC-IP65	TWS SOUNDER MODULE, IP65, 93dB, 90-240VAC (33401)	**$**	**296.50**
TWS-A+-DC-IP65	TWS SOUNDER MODULE, IP65, 93dB 12-24VAC/DC (33400)	**$**	**191.10**
TWS-A-AC	TWS SOUNDER MODULE, IP54, 72dB, 110-240VAC, (27719)	**$**	**148.20**
TWS-A-DC	TWS SOUNDER MODULE, IP54, 72dB, 12-48VDC/AC (27718)	**$**	**128.20**

SIRENA - TWS BASES AND MOUNTING ACCESSORIES

TWS-BS



TWS-KIT

TWS-BC	TWS TOWER SECTOR BASE & COVER (27700)	**$**	**94.90**
TWS-BC/BLACK	TWS TOWER SECTOR BASE & COVER, BLACK (27690)	**$**	**94.90**
TWS-BOX	TWS JUNCTION BOX WITH PG9 CABLE GLAND (27777)	**$**	**76.10**
TWS-BP1	TWS/OVOLUX SINGLE WALL BRACKET (27762)	**$**	**37.60**
TWS-BP1/BLACK	TWS/OVOLUX SINGLE WALL BRACKET, BLACK (27693)	**$**	**37.60**
TWS-BP2	TWS/OVOLUX DOUBLE WALL BRACKET (27763)	**$**	**37.60**
TWS-BS	TWS/OVOLUX MOUNTING BASE UNIT (27760)	**$**	**26.80**
TWS-FJ	TWS TOWER LIGHT, FOLDING JOINT BASE (33347)	**$**	**59.60**
TWS-KIT	TWS/OVOLUX 100mm PLASTIC POLE MOUNTING KIT (27764)	**$**	**39.40**
TWS-KIT-L/100	TWS/OVOLUX 100mm S/S POLE MOUNTING KI T (27765)	**$**	**96.10**
TWS-KIT-L/200	TWS/OVOLUX 200mm S/S POLE MOUNTING KI T (27766)	**$**	**114.40**
TWS-KIT-L/400	TWS/OVOLUX 400mm S/S POLE MOUNTING KIT (27767)	**$**	**151.10**
TWS-PR	TWS EXTENSION STEM 100mm (27761)	**$**	**22.90**
TWS-PR/BLACK	TWS EXTENSION STEM 100mm BLACK (27692)	**$**	**22.90**
TWS-RING	TWS SECTOR LOCKING RING (72062)	**$**	**5.40**
TWS-SS-BRKT	TWS S/S RIGHT ANGLE MOUNTING BRACKET (33357)	**$**	**98.10**

SIRENA - EOS LED-Integrated Tower Light Sectors, IP69K

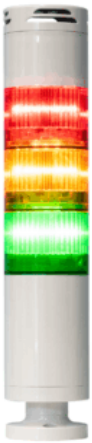
Cost effective 70mm diameter LED Signal Tower designed to meet the needs of OEMs and automated machine builders Smooth design that prevents dirt gathering on the surface, Ideal for environments with high brightness thanks to theclear opaline lens that allows a clear distinction between the ON and OFF state of the stacklight. Perfect light distribution at 360°. High water protection IP69K. Wiring versatility (NPN/PNP). Up to 5 luminous modules + sounder. 2 sound levels for the acoustic modules. • Smart Factory 4.0 networking capabilitity

EOS-LM-AMBER	EOS LED SECTOR, STEADY, (94722), 24VDC, AMBER	**$**	**57.80**
EOS-LM-BLUE	EOS LED SECTOR, STEADY, (94721), 24VDC, BLUE	**$**	**57.80**
EOS-LM-GREEN	EOS LED SECTOR, STEADY, (94724), 24VDC, GREEN	**$**	**57.80**
EOS-LM-RED	EOS LED SECTOR, STEADY, (94723), 24VDC, RED	**$**	**57.80**
EOS-LM-RGB	EOS LED SECTOR, STEADY, (94727), 24VDC, 5 COLOURS	**$**	**99.80**
EOS-R/G-12/24	EOS 2-LIGHT TOWER RED/GREEN 12-24VAC/DC	**$**	**268.50**
EOS-SOUNDER	EOS PIEZO SOUNDER,12 TONE - 2 CHANNEL, 75dB (947280)	**$**	**99.80**
EOS-SOUNDER-A+	EOS MAGNETODYNAMIC SOUNDER, 8 TONE - 2 CHANNEL, 100dB (94729)	**$**	**-**
EOS-WM-LT	EOS WIRING MODULE WITH CAP, 7 SECTORS, 12-24VAC/DC, (94730)	**$**	**89.30**

Due to volatile international material costs, prices may change at short notice.
check before ordering

SIRENA - NXT - LED-Integrated 50mm Dia. Towerlight Sectors, IP66-69k - with I/O Link option

NXT towerlights are designed as 360° visual modular warning towers in a an innovative twist-lock design , NFC programming, I/O Link capability and acoustic modules to offer maximum versatility in installation and operation. Creating a towerlight is done by choosing a wiring module of the required voltage, light modules as required, an optional acoustic module, and finally a mounting base. The range may be stacked up to 7 modules high, are IP66-69k rated, and available in 12/24Vac/dc or 120/240Vac versions.



NXT-FLA-12V-AMB	NXT LED TOWER SECTOR, (33912), FLASHING,12VAC/DC, AMBER	$	83.90
NXT-FLA-12V-BLU	NXT LED TOWER SECTOR, (33911), FLASHING,12VAC/DC, BLUE	$	83.90
NXT-FLA-12V-GRE	NXT LED TOWER SECTOR, (33914), FLASHING,12VAC/DC, GREEN	$	83.90
NXT-FLA-12V-RED	NXT LED TOWER SECTOR, (33913), FLASHING,12VAC/DC, RED	$	83.90
NXT-FLA-12V-WHI	NXT LED TOWER SECTOR, (33916), FLASHING,12VAC/DC, WHITE	$	83.90
NXT-FLA-12V-YEL	NXT LED TOWER SECTOR, (33955), FLASHING,12VAC/DC, YELLOW	$	83.90
NXT-FLA-AMB	NXT LED TOWER SECTOR, (33932), FLASHING, 24VAC/DC, AMBER	$	83.90
NXT-FLA-BLU	NXT LED TOWER SECTOR, (33931), FLASHING, 24VAC/DC, BLUE	$	83.90
NXT-FLA-GRE	NXT LED TOWER SECTOR, (33934), FLASHING, 24VAC/DC, GREEN	$	83.90
NXT-FLA-RED	NXT LED TOWER SECTOR, (33933), FLASHING, 24VAC/DC, RED	$	83.90
NXT-FLA-WHI	NXT LED TOWER SECTOR, (33936), FLASHING, 24VAC/DC, WHITE	$	83.90
NXT-FLA-YEL	NXT LED TOWER SECTOR, (33975), FLASHING, 24VAC/DC, YELLOW	$	83.90
NXT-PRO-RGB	NXT LED TOWER SECTOR, (33947), MULTIFUNCTION, IOLINK, 24VAC/DC, RGB	$	125.00
NXT-STY-12V-AMB	NXT LED TOWER SECTOR, (33902), FLASHING,12VAC/DC, AMBER	$	83.90
NXT-STY-12V-BLU	NXT LED TOWER SECTOR, (33901), FLASHING,12VAC/DC, BLUE	$	83.90
NXT-STY-12V-GRE	NXT LED TOWER SECTOR, (33904), FLASHING,12VAC/DC, GREEN	$	83.90
NXT-STY-12V-RED	NXT LED TOWER SECTOR, (33903), FLASHING,12VAC/DC, RED	$	83.90
NXT-STY-12V-WHI	NXT LED TOWER SECTOR, (33906), FLASHING,12VAC/DC, WHITE	$	83.90
NXT-STY-12V-YEL	NXT LED TOWER SECTOR, (33945), FLASHING,12VAC/DC, YELLOW	$	83.90
NXT-STY-AMB	NXT LED TOWER SECTOR, (33922), STEADY, 24VAC/DC, AMBER	$	52.00
NXT-STY-BLU	NXT LED TOWER SECTOR, (33921), STEADY, 24VAC/DC, BLUE	$	52.00
NXT-STY-GRE	NXT LED TOWER SECTOR, (33924), STEADY, 24VAC/DC, GREEN	$	52.00
NXT-STY-RED	NXT LED TOWER SECTOR, (33923), STEADY, 24VAC/DC, RED	$	52.00
NXT-STY-RGB	NXT LED TOWER SECTOR, (33941), STEADY, 24VAC/DC, RGB MULTI-COLOUR	$	83.00
NXT-STY-WHI	NXT LED TOWER SECTOR, (33926), STEADY, 24VAC/DC, WHITE	$	52.00
NXT-STY-YEL	NXT LED TOWER SECTOR, (33965), STEADY, 24VAC/DC, YELLOW	$	52.00

SIRENA - NXT Acoustic Modules

NXT-SOUNDER	NXT SOUNDER MODULE, (33928), 94DB, GREY, IP66-69K	$	89.00
NXT-SOUNDER-LINEAR	NXT SOUNDER MODULE, (33948), 3 SOUNDS, 94DB @ 3050Hz, GREY, IP66-69K	$	95.00
NXT-SOUNDER-NFC-24V	NXT SOUNDER MODULE, (33929), 94DB, NFC PROGRAMMABLE IOLINK,GREY, IP66-69K	$	119.00

SIRENA - NXT Wiring Bases

NXT-WB-12V	NXT WIRING BASE, (33900), GREY, 12VAC/DC	$	66.00
NXT-WB-240V	NXT WIRING BASE, (33907), GREY, 110/240VAC	$	130.00
NXT-WB-24V	NXT WIRING BASE, (33905), GREY, 24VAC/DC	$	66.00
NXT-WB-NFC-24V	NXT WIRING BASE, (33908), NFC PROGRAMMABLE, GREY, 110/240VAC	$	159.00
NXT-WB-PRO-24V	NXT WIRING BASE, (33943), PRO NFC VERSION , GREY, 24VAC/DC	$	250.00

SIRENA - NXT Mounting Bases

NXT-BS	NXT MOUNTING BASE UNIT (31559)	$	26.80
NXT-M12-8	NXT M12-8 PIN ADAPTER GREY (31909)	$	84.20
NXT-M12-BRKT	NXT M12-8 PIN S/S MOUNTING BRACKET (31912)	$	84.20

TWS BP1, BP2 WALL BRACKETS AND EXTENSION MOUNTING KITS CAN BE USED WITH NXT

SIRENA - FSLR - RGB - MULTICOLOUR MULTFUNCTION BEACON

FSLR RGB is the new multifunctional LED device in the MLINE range, developed with special components that enable multiple lighting effects and colours. FSLR RGB is available in standard version or FSLR RGB NFC,configurable version via MySirena App. VOLTAGES According to the installed base (AC: 50/60 Hz). Native PNP/NPN connection.110/240V AC: special bases 12W. An M-Line shallow or deep base needs to be used in conjunction with FSLR.

FSLR-RGB-NFC	M-LINE DOME, MULTIFUNCTION BEACON, (91083) 12/24VAC/DC, NFC, OPAL LENS, RGB	$	582.80
FSLR-RGB-PROX	M-LINE DOME, MULTIFUNCTION BEACON, (91082) 12/24VAC/DC, OPAL LENS, RGB	$	535.00

SIRENA - Audible Alarms - Electronic Sounders

SIR-TOUCH Industrial Sounder - Touch Progammable, M12 Connection

SIR-TOUCH is a unique industrial signalling device, offering a choice of 64 tones at a maximum of 120 dB(A) and user-friendly touch programmability. The M12 connector allows for ease of wiring and the safe touch procedure provides ease of set-up and adjustment. Available in 24Vac/dc or 85-265Vac (50/60hZ) models, SIR-TOUCH is rated for continuous use up to volume level 4, then de-rated to 15mins ON - 5mins OFF for volume level 5, and 5mins ON - 5mins OFF for volume level 6. A model with red front flashing light is also available. SIR-TOUCH is protected to IP68.

SIR-TOUCH-024	SOUNDER, 64 TONES, MULTIFUNCTION, (90750),120dB,12/24VAC/DC	**$**	**904.10**
SIR-TOUCH-230	SOUNDER, 64 TONES, MULTIFUNCTION, (90751),120dB, 85-265AC	**$**	**960.20**
SIR-TOUCH-WALL	WALL MOUNTING BRACKET, (90754), FOR SIR-TOUCH SOUNDER	**$**	**84.20**

SIRENA - M-Line SIR-E Sounder

Multifunction electronic sounder with 2 alarm levels (pre-alarm, alarm) controllable independently via separate contacts, 64 tones, with volume control to 65dB min, IP65 rated and offers 5 different base options, to suit any application, 92mm diameter. Complete unit requires a choice of sounder and base

SIR-E SOUNDER	SOUNDER, 2 STAGE, 64 TONES, (90360),105dB,12/24VAC/DC, GREY	**$**	**268.10**
SIR-E SOUNDER-WH	SOUNDER, 2 STAGE, 64 TONES, (90359),105dB,12/24VAC/DC, WHITE	**$**	**268.10**
SIR-E MAX	SOUNDER, 2 STAGE, 64 TONES,(90407),115dB,12/24VAC/DC, GREY	**$**	**528.80**

ACCESSORIES

M-LINE BASE 40-80V	M-LINE DEEP BASE (90432), 40-80VAC/DC GREY	**$**	**186.50**
M-LINE BASE-230V	M-LINE DEEP BASE (90369),120/240VAC GREY	**$**	**186.50**
M-LINE BASE-230V-BLK	M-LINE DEEP BASE (90458),120/240VAC BLACK	**$**	**186.50**
M-LINE BASE-230V-RED	M-LINE DEEP BASE (90508),120/240VAC RED	**$**	**186.50**
M-LINE BASE-230V-WH	M-LINE DEEP BASE (90509),120/240VAC WHITE	**$**	**186.50**
M-LINE BASE-DEEP	M-LINE DEEP BASE (90368),12-24VAC/DC GREY	**$**	**43.70**
M-LINE BASE-DEEP-BLK	M-LINE DEEP BASE (90452),12-24VAC/DC BLACK	**$**	**43.70**
M-LINE BASE-DEEP-RED	M-LINE DEEP BASE (90345),12-24VAC/DC RED	**$**	**43.70**
M-LINE BASE-DEEP-WH	M-LINE DEEP BASE (90346),12-24VAC/DC WHITE	**$**	**43.70**
M-LINE BASE-SH	M-LINE SHALLOW BASE (90367),12-24VAC/DC GREY	**$**	**35.40**
M-LINE BASE-SH-BLK	M-LINE SHALLOW BASE (90451),12-24VAC/DC BLACK	**$**	**35.40**
M-LINE BASE-SH-RED	M-LINE SHALLOW BASE (90343),12-24VAC/DC RED	**$**	**35.40**
M-LINE BASE-SH-WH	M-LINE SHALLOW BASE (90344), 12-24VAC/DC WHITE	**$**	**35.40**
M-LINE CAGE SIZE 1	HEAVY DUTY STAINLESS STEEL CAGE(90551) SIZE 1 (SIR-E + BASE-SH)	**$**	**180.20**
M-LINE CAGE SIZE 2	HEAVY DUTY STAINLESS STEEL CAGE (90552) SIZE 2 (SIR-E + BASE-DEEP)	**$**	**187.10**
M-LINE CAGE SIZE 3	HEAVY DUTY STAINLESS STEEL CAGE (90553)SIZE 3 (SIR-E MAX + BASE-SH)	**$**	**216.50**
M-LINE CAGE SIZE 4	HEAVY DUTY STAINLESS STEEL CAGE (90554) SIZE 4	**$**	**223.70**
M-LINE-PNP-24VDC-PCB	M-LINE PNP DRIVE ADAPTOR 24VDC SUPPLY PCB ONLY	**$**	**85.60**

Due to volatile international material costs, prices may change at short notice.
check before ordering

AUER SIGNAL - AS Series Sounders

AS series sounders feature multiple selectable tones up to 120dB, 3-stage alarm externally switchable, volume control by potentiometer and versatile mounting options. IP66 rated when fitted with the appropriate gasket (see below), and fit for PLC applications (leakage, inrush current). ASS-T is 94mm2, ASM 132mm2 and ASL 184mm2. Perfectly partnered with the Q range of IP66 beacons

ASS-T-024	SOUNDER, IP66, 32 TONE, 108dB, 24-48VAC/DC	$	359.10
ASS-T-240	SOUNDER, IP66, 32 TONE, 108dB, 110-240VAC	$	448.50
ASM-024	SOUNDER 32-TONE 113dB IP66 24-48VAC/DC	$	481.60
ASM-240	SOUNDER 32-TONE 113dB IP66 110- 240VAC	$	613.00
ASL-024	SOUNDER 63-TONE 120dB IP66 24-48VAC/DC	$	1,120.20
ASL-240	SOUNDER 63-TONE 120dB IP66 240VAC	$	1,155.50

ACCESSORIES

BRACKET-AB1	MOUNTING BRACKET SIZE 1 FOR QDS/ASS-T	$	81.10
BRACKET-AB2	MOUNTING BRACKET SIZE 2 FOR QDM/ASM	$	90.20
BRACKET-AB3	MOUNTING BRACKET SIZE 3 FOR QDL/QDL/ASL	$	163.40
BRACKET-AB4	MOUNTING BRACKET SIZE 4 FOR QBX/ASX	$	184.60
GASKET-AG1	GASKET IP66, SIZE 1, FOR QDS/ASS-T	$	39.90
GASKET-AG2	GASKET IP66, SIZE 2, FOR QDM/ASM	$	45.20
GASKET-AG3	GASKET IP66, SIZE 3, FOR QDL/ASL	$	60.10
GASKET-AG4	GASKET IP66, SIZE 1, FOR QDX/ASX	$	56.00
KIT-AMK	COUPLING, FOR JOINING QDS/M & ASS/M PAIRS	$	28.30

AUER SIGNAL - ES Series Sounders

ES series sounders offer a cost-effective surface-mount solution for any alarm application. Output (106dB max) with volume control via DIP switch and low current draw, combined with 32 tone 3-stage alarm functions and IP65 protection, available in red or white

ES1-RED	SOUNDER, IP65, 32-TONE 106dB, 3 STAGE,18-35VDC	$	167.40
ES2-RED	SOUNDER, IP65, 32-TONE 106dB, 3 STAGE,110-230VAC	$	356.50

EATON - Roshni Sounders

32 tone 2-stage alarm sounders, 101dB(A) to 110dB(A) with 20dB volume cut by DIP switch, continuously rated. Base colour can be red or white (red std). IP54 with a shallow base, IP65 by using a deep base. 93mm Dia x 66mm high with shallow base. In addition they can be powered from 110Vac or 230Vac by using a Deep Powered Base that incorporates a 100mA 24Vdc power supply

ROSHNI-1992	SOUNDER, IP65, 32 TONES,100dB,110-240VAC	$	208.90
ROSHNI-ROLP	SOUNDER, IP54, 32 TONES,100dB, 9-28VDC	$	148.10
ROSHNI-ROLP-48	SOUNDER, IP65, 32 TONES 100dB,43-57VDC	$	236.70
ROSHNI-RORS	ELECTRONIC SOUNDER 12-30V AC/DC	$	163.90
BASE-DEEP-PWD-RED	FULLEON POWERED BASE, 50x93mm, INPUT 110-240VAC - OUT 24VDC 100mA, RED	$	58.20
BASE-DEEP-PWD-WHITE	FULLEON POWERED BASE, 50x93mm, INPUT 110-240VAC - OUT 24VDC 100mA, WHITE	$	58.20
BASE-DEEP-RED	FULLEON SOUNDER/BEACON BASE, 50x93mm, RED	$	23.80
BASE-DEEP-WHITE	FULLEON SOUNDER/BEACON BASE, 50x93mm, WHITE	$	23.80
BASE-SHALLOW-RED	FULLEON SOUNDER/BEACON BASE, 20x93mm, RED	$	23.80
BASE-SHALLOW-WHITE	FULLEON SOUNDER/BEACON BASE, 20x93mm, RED	$	23.80
BASE-U-RED	FULLEON U" BASE RED"	$	23.80

EATON - SYMPHONI Sounder

The Symphoni Sounder produces high Output levels up to 120dB. 32 tones available with 20dB volume control. Although a high power design the unit is very efficient offering relatively low current consumption (240mA).

SYMPHONI-HO	SOUNDER, 120dB WITH VOLUME CONTROL, 9-28VDC 240mA	$	441.50

EATON - ASSERTA Sounder

The Asserta warning sounder is an IP66, 3 stage alarm with 42 tones. It incorporates, a user adjustable sounder time out, and a 110 - 120dB(A) output, depending on tone selected.

ASSERTA-230VAC	SOUNDER, IP66, 3 STAGE, 42 TONES, 120DB, 115-230VAC	$	1,056.30
ASSERTA-24VDC	SOUNDER, IP66, 3 STAGE, 42 TONES, 120DB, 24VDC	$	1,056.30

Q-LIGHT - QWHTSD MP3 Programmable Recording Sounders

QL-QWH35TSD-24-LC	SOUNDER 113DB, MP3 PRE-RECORDED SOUNDS VIA SD CARD + 31 STANDARD TONES,12-24VDC	$	858.10
QL-QWH50TSD-24-LC	SOUNDER 118DB, MP3 PRE-RECORDED SOUNDS VIA SD CARD + 31 STANDARD TONES,12-24VDC	$	903.20

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EATON - "Squashni" Low Profile Sounders

The Squashni sounder is designed for wall or ceiling mount and offers a mounting platform for a visual alarm, smoke detector or other, to make a combination audio/visual or detector/alarm. IP54 rated, 2-stage capable, 103dB(A) max, with 20dB volume control

SQUASHNI-SQ-05-W-VC	SOUNDER IP54, 32 TONE, 93 -102 dB,10-28V DC	$	133.60

EATON - " Askari" Sounders

The Askari sounder range offers 4 models, all with volume control. The APW5 and AFW5 models provide a piercing sweep tone, with a second tone available if installed with a 3-wire cable. The ACW5 "Compact" and APWS models offer 32 tones and 2 alarm stages

ASKARI-ACWS	COMPACT SOUNDER, 32 TONE,100dB, SWITCHED VOLUME CONTROL,10-28VDC	$	133.60
ASKARI-AFW5-VC	FLANGE MOUNTED COMPACT SOUNDER, 100dB, VOLUME CONTROL,10-28VDC	$	133.60
ASKARI-APW5-NO-VC	PANEL MOUNT SOUNDER,100dB NO VOLUME CONTROL,10-28vdc	$	133.60
ASKARI-APW5-VC	PANEL MOUNT SOUNDER,100dB WITH VOLUME CONTROL,10-28VDC	$	133.60

CZ80 Electro-mechanical Buzzers

Electro-mechanical buzzer, approx 80dB. Rated for intermittent operation only

CZ80-6VDC	BUZZER, 80dB, 6VDC 150mA, INTERMITTENT OPERATION	$	51.60
CZ80-12VAC	BUZZER, 80dB,12VAC 1A, INTERMITTENT OPERATION	$	51.60
CZ80-12VDC	BUZZER, 80dB,12VDC 100mA, INTERMITTENT OPERATION	$	51.60
CZ80-230VAC	BUZZER, 80dB, 230VAC 60mA, INTERMITTENT OPERATION	$	64.80
CZ80-24VAC	BUZZER, 80dB, 24VAC 600mA, INTERMITTENT OPERATION	$	51.60
CZ80-24VDC	BUZZER, 80dB, 24V DC 75mA, INTERMITTENT OPERATION	$	51.60

SIRENA - " Microsai" IP65 Industrial Buzzers

Electromechanical buzzer, IP65. Rated for continuous and or intermittent use, 300Hz tone frequency.

MICROSAI-230VAC	HORN BUZZER (53015), IP65, CONTINUOUS OPERATION, 95dB, 230VAC	$	153.00

SIRENA - Panel Mounted Buzzers

BIP92-A-240	BUZZER,16, 22 OR 30mm PANEL MOUNT (33087), 44mm Ø, 75dB, 240VAC	$	127.20
BIP92-CA-012	BUZZER,16, 22 OR 30mm PANEL MOUNT (42318), 44mm Ø, 75dB, 12VAC/DC	$	147.70
BIP92-CA-024	BUZZER,16, 22 OR 30mm PANEL MOUNT (42318), 44mm Ø, 75dB, 24VAC/DC	$	127.20
P40-A/024	PIEZO SOUNDER, (91177), M30 PANEL MOUNT, 2-STAGE, Ø 40mm, 85dB, 12-24VAC/DC	$	148.80
P40-A/230	PIEZO SOUNDER, (91179), M30 PANEL MOUNT, 2-STAGE, Ø 40mm, 85dB, 48-240VAC	$	197.10
P50-A	PIEZO SOUNDER, (91327), M22 PANEL MOUNT, 2-STAGE, Ø 50mm, 92dB, 12-24VAC/DC	$	202.60

AUER SIGNAL - Panel Mounted Buzzers

ESG-12/24V	BUZZER M22 PANEL MOUNT 65mm Ø, IP65,105dB,12/24VAC/DC	$	269.60
ESG-230V	BUZZER M22 PANEL MOUNT 65mm Ø, IP65,105dB,230VAC	$	302.90
ESM-12/24V	BUZZER M22 PANEL MOUNT 45mm Ø, IP65,100dB,12/24VAC/DC	$	162.00
ESM-230V	BUZZER M22 PANEL MOUNT 45mm Ø, IP65,100dB, 230VAC	$	184.50
SD50A-BUZZ	SMARTDOT 50 BUZZER MULTI-TONE, 90dB 10-30VDC M12-5W	$	268.79
SD50AS-BUZZ	SMARTDOT 50 STAINLESS BUZZER MULTI-TONE, 90dB 10-30VDC M12-5W	$	478.00

PIZZATO - Panel Mounted Buzzers

PZ E6 1IS5A1CV1B	BUZZER 22mm BLACK, CONTINUOUS, 95dB, IP67, 12VAC/DC	$	79.80
PZ E6 1IS6A1CV1B	BUZZER 22mm BLACK, CONTINUOUS, 95dB, IP67, 24VAC/DC	$	79.80

SOLITRONICS - Panel Mounted Buzzers

SE16D-BZ-230V	BUZZER 16mm, PANEL MOUNT,18mm Ø, 80DB, 230VAC, BLACK	$	31.10
SE16D-BZ-24V	BUZZER 16mm, PANEL MOUNT,18mm Ø, 80DB, 24VAC/DC, BLACK	$	31.10
SEL-22D-BZ/FL-240-RD	LED INDICATOR + BUZZER, 22mm PANEL MOUNT, 29mm Ø, 80DB, 230VAC, RED	$	33.70
SEL-22D-BZ-230V	BUZZER, 22mm PANEL MOUNT, 29mm Ø, 80DB, 230VAC, BLACK	$	33.10
SEL-22D-BZ-24V	BUZZER, 22mm PANEL MOUNT, 29mm Ø, 80DB, 24VAC/DC, BLACK	$	33.10

EATON - CB150 Bell

The CB150 bells are audible signal devices for fire alarms and general signalling. They are under-dome striker design fitted with weather resistant dust covers, 150mm (6") diameter. Rugged construction, steel dome with tough plastic base, suitable for indoor or sheltered outdoor installations as standard, but an IP65 kit is available for full outdoor use. Sound level typically greater than 90dB @ 1m. Rated for intermittent operation.

CB150-6VDC	UNDERDOME ELECTRONIC BELL,150mm, 6VDC	$	97.80
CB150-12VAC	UNDERDOME ELECTRONIC BELL,150mm, 12VAC	$	164.00
CB150-12VDC	UNDERDOME ELECTRONIC BELL,150mm, 12VDC	$	97.80
CB150-24VAC	UNDERDOME ELECTRONIC BELL,150mm, 24VAC	$	201.10
CB150-24VDC	UNDERDOME ELECTRONIC BELL,150mm, 24VDC	$	97.80
CB150-110VAC	UNDERDOME ELECTRONIC BELL,150mm ,110VAC	$	112.40
CB150-230VAC	UNDERDOME ELECTRONIC BELL,150mm, 230VAC	$	112.40
CB150-WP-KIT	WEATHERPROOF KIT FOR CB150,150mm BELL	$	33.10

Due to volatile international material costs, prices may change at short notice.
check before ordering

SIRENA - Underdome Bells

SDL165-012-DC	BELL, (54214), 200mm Ø, IP66,100dB,12VDC	$	346.40
SDL165-024-DC	BELL, (54215), 200mm Ø, IP66,100dB,24VDC	$	346.40
SD165-012-AC	BELL, (54200), 200mm Ø, IP66,100dB,12VAC	$	278.30
SD165-024-AC	BELL, (54201), 200mm Ø, IP66,100dB, 24VAC	$	278.30
SD165-110-AC	BELL, (54204), 200mm Ø, IP66,100dB,110V-AC	$	278.30
SD165-240-AC	BELL, (54206), 200mm Ø, IP66,100dB, 240VAC	$	278.30

SIRENA - Electric Motor Sirens

MICROW-10A-110	ELECTRIC MOTOR SIREN, (42210), 93dB, 110VAC	$	193.90
MICROW-10A-240	ELECTRIC MOTOR SIREN, (42212), 93dB, 240VAC	$	193.90
MICROW-10N-12D	ELECTRIC MOTOR SIREN, (42200), 94dB, 12VDC	$	101.10
MICROW-10N-24A	ELECTRIC MOTOR SIREN, (42203), 96dB, 24VAC	$	125.10
MICROW-10N-24D	ELECTRIC MOTOR SIREN, (42202), 96dB, 24VDC	$	101.10

CELERE-024	ELECTRIC MOTOR SIREN, (42021), 109dB, 24VAC/DC	$	407.60
CELERE-240	ELECTRIC MOTOR SIREN, (42025), 110dB, 240VAC	$	407.60
CELERE-SUPER-024	ELECTRIC MOTOR SIREN, (42047), 114dB, 24VAC/DC	$	592.10
CELERE-SUPER-110	ELECTRIC MOTOR SIREN, (42043), 116dB, 110VAC	$	547.10
CELERE-SUPER-240	ELECTRIC MOTOR SIREN, (42045), 116dB, 240VAC	$	547.10

AUER SIGNAL - Electronic Horn Sounders

SEM-024-AC	SEM INDUSTRIAL HORN, (40305), 92dB, 24VAC	$	99.80
SEM-024-DC	SEM INDUSTRIAL HORN, (40304), 96dB, 24VDC	$	99.80
SEM-110-AC	SEM INDUSTRIAL HORN, (40309), 92dB, 110VAC	$	99.80
SEM-240-AC	SEM INDUSTRIAL HORN, (40311), 92dB, 240VAC	$	99.80

EHS-D-12/24V	MULTI-TONE ALARM SOUNDER, IP66,118dB,12/24VACDC	$	1,538.90
EHS-D-230V	MULTI-TONE ALARM SOUNDER, IP66,118dB,230VAC	$	1,708.90

HTG-110VAC	INDUSTRIAL HORN, SINGLE TONE, IP65,108dB, 110VAC	$	798.40
HTG-230VAC	INDUSTRIAL HORN, SINGLE TONE, IP65,108dB, 230VAC	$	798.40
HTG-24VAC	INDUSTRIAL HORN, SINGLE TONE, IP65,108dB, 24VAC	$	798.40
HTG-24VDC	INDUSTRIAL HORN, SINGLE TONE, IP65,108dB, 24VDC	$	1,255.80

CEL - EWS6 Multi-Tone Electronic Horn Sounder

Carrel Electrade manufactured electronic sounder, 16 selectable sounds, complies with NZS4512: 1997 Fire Alarms Systems in Buildings Codes, IP66, 1 hour duty rating 112dB, 24Vdc

EWS6-10-30VDC	ELECTRONIC SOUNDER SPEAKER TYPE IP66 16 TONES 108-118dB, 24VDC	$	255.20

CEL - EWS4 Multi-tone Electronic Siren System

Carrel Electrade manufactured, multitone warning system, 15 tones selectable by DIP switch, provision for external switching for remote control,

EWS4P-110VAC	ELECTRONIC ALARM SYSTEM,110VAC AUX, WITHOUT SPEAKER MPH-5308	$	392.70
EWS4P-12VDC	ELECTRONIC ALARM SYSTEM,12VDC AUX, WITHOUT SPEAKER MPH-5308	$	392.70
EWS4P-230VAC	ELECTRONIC ALARM SYSTEM, 230VAC AUX, WITHOUT SPEAKER MPH-5308	$	392.70
EWS4P-24VAC	ELECTRONIC ALARM SYSTEM, 24VAC AUX, WITHOUT SPEAKER MPH-5308	$	392.70
EWS4P-24VDC	ELECTRONIC ALARM SYSTEM, 24VDC AUX, WITHOUT SPEAKER MPH-5308	$	392.70
EWS4P-48VAC	ELECTRONIC ALARM SYSTEM, 48VAC AUX, WITHOUT SPEAKER MPH-5308	$	498.40
EWS4PL-110VAC	ELECTRONIC ALARM SYSTEM,100V LINE, 110VAC AUX, CONNECT MULTIPLE SPEAKERS MPH-530	$	430.80
EWS4PL-230VAC	ELECTRONIC ALARM SYSTEM,100V LINE, 230VAC AUX, CONNECT MULTIPLE SPEAKERS MPH-530	$	430.80

MPH-5300	HORNSPEAKER, IP66, ABS WITH S/S BRACKET, 30W/100V LINE VERSION, 500-7K Hz	$	192.50
MPH-5308	HORNSPEAKER, IP66, ABS WITH S/S BRACKET, 8 OHM 30 WATT VERSION, 500-7K Hz	$	150.50

PHILLIPS & SMITH - Electric Motor Wide Area Sirens

EWAS-1PH-SINGLE	MOTOR DRIVEN SINGLE ENDED SIREN, 2.2KW,1PH, 230VAC,130dB 500Hz	POA
EWAS-3PH-DOUBLE	MOTOR DRIVEN DOUBLE ENDED SIREN, 4.0KW, 3PH 400VAC,133dB 525Hz	POA
EWAS-3PH-SINGLE	MOTOR DRIVEN SINGLE ENDED SIREN, 2.2KW,3PH 400VAC, 130dB 500Hz	POA

QLIGHT MP3 SPEAKER

QL-QMPS-12/24-MP3	MP3 MULTIFUNCTION SPEAKER 95dB, FLUSH MOUNT,120mm2, 12/24VDC	$	722.60

CEL - Wall Mounted Fire Alarms & Call Points

Self-contained Type 1 wall mounted fire alarm systems, powered by 6V battery (not supplied), connection for external 6V supply, provision for NOTE: Historical compliance to NZS 4512:1994 for Type 1 fire alarm systems. They DO NOT COMPLY with the latest standard, and should only be used to replace existing units or in situations that do not require a monitored fire alarm system

MFA1B-6VDC	MANUAL FIRE ALARM, BELL TYPE SLAVE UNIT, 6VDC (WITHOUT BATTERY)	$	546.30
MFA1E-6VDC	MANUAL FIRE ALARM, ELECTRONIC SLAVE UNIT, 6VDC (WITHOUT BATTERY)	$	603.60
MFA2B-6VDC	MANUAL FIRE ALARM, BELL TYPE MASTER UNIT, 6VDC (WITHOUT BATTERY)	$	645.90
MFA-2E-12V-ROSHNI	MANUAL FIRE ALARM ELECTRONIC MASTER UNIT	$	635.00
MFA-2E-230V-ROSHNI	MANUAL FIRE ALARM ELECTRONIC MASTER UNIT	$	641.20
MFA2E-6VDC	MANUAL FIRE ALARM, ELECTRONIC MASTER UNIT, 6VDC (WITHOUT BATTERY)	$	703.30
MCP-57-150	MANUAL CALL POINT FP0324, RED 130x130mm	$	221.50
MCP-57-150-GLASS	REPLACEMENT GLASS FOR MCP57-150 CALL POINT (98x75mm)	$	12.00

FIRE ALARM SOUNDER AND BEACONS TO EN54-3 STANDARD

The MULTI SOUNDER FA and MULTI LED SOUNDER FA (beacon sounder) are EN54-certified devices designed for fire protection applications

MSFA-RED	FIRE ALARM SOUNDER, EN54-3, 105dB, Hi-Lo VOLUME CONTROL 12/24VDC, RED (91094)	$	129.60
MLSFA-RED	FIRE ALARM LED/SOUNDER, EN54-3, 105dB, VOLUME CONTROL 12/24VDC, CLEAR (91095),	$	256.50

STI - Resettable Call Points

The WRP-11 is a unique manual call point that mimics the feel of breaking glass whilst offering the user all the benefits and advantages of a re-settable operating element. The WRP-11 uses a simple yet ingenious patented mechanism which consists of a rigid plastic operating element and an over-centre spring mechanism. An activation indicator drops into view at the top of the window once the call point has been operated. The unit is then simply reset with a key and is ready for re-use straight away. IP67 protected, with two independent 6A 125-240Vac/3A 12-24dc SPCO contacts

WRP2-B-11-CI	WEATHER PROOF, RESETTABLE CALL POINT WITH COVER, 125-240VAC, DPCO, BLUE	$	412.40
WRP2-G-11-CI	WEATHER PROOF, RESETTABLE CALL POINT WITH COVER, 125-240VAC, DPCO, GREEN	$	412.40
WRP2-R-11-CI	WEATHER PROOF, RESETTABLE CALL POINT WITH COVER, 125-240VAC, DPCO, RED	$	412.40
WRP2-W-11-CI	WEATHER PROOF, RESETTABLE CALL POINT WITH COVER, 125-240VAC, DPCO, WHITE	$	412.40
WRP2-Y-11-CI	WEATHER PROOF, RESETTABLE CALL POINT WITH COVER, 125-240VAC, DPCO, YELLOW	$	412.40
WRP-CI-COVER	CLEAR COVER FOR WRP2 CALL POINTS	$	23.20
WRP-RP-K	RESET KEY FOR WRP CALL POINTS	$	4.30

MINIATURE BASED LEDS

Based LED Lamps

BA9 AND E10 based LED LAMPS, single-chip, super-bright LED element, available in voltage of 6Vac/dc,12Vac /dc,24 Vac/dc, 110Vac/dc and 230vac

BA9LED-006-AMB	BA9 LED 6VAC/DC AMBER	**$**	**14.40**
BA9LED-006-BLU	BA9 LED 6VAC/DC BLUE	**$**	**21.90**
BA9LED-006-GRN	BA9 LED 6VAC/DC GREEN	**$**	**21.90**
BA9LED-006-RED	BA9 LED 6VAC/DC RED	**$**	**14.40**
BA9LED-006-WHI	BA9 LED 6VAC/DC WHITE (32706)	**$**	**21.90**
BA9LED-006-YEL	BA9 LED 6VAC/DC YELLOW	**$**	**14.40**
BA9LED-012-AMB	BA9 LED 12VAC/DC AMBER	**$**	**14.40**
BA9LED-012-GRN	BA9 LED 12VAC/DC GREEN	**$**	**21.90**
BA9LED-012-RED	BA9 LED 12VAC/DC RED	**$**	**14.40**
BA9LED-012-WHI	BA9 LED 12VAC/DC WHITE	**$**	**21.90**
BA9LED-012-YEL	BA9 LED 12VAC/DC YELLOW	**$**	**14.40**
BA9LED-024-AMB	BA9 LED 24VAC/DC AMBER	**$**	**14.40**
BA9LED-024-BLU	BA9 LED 24VAC/DC BLUE	**$**	**21.90**
BA9LED-024-GRN	BA9 LED 24VAC/DC GREEN	**$**	**21.90**
BA9LED-024-RED	BA9 LED 24VAC/DC RED	**$**	**14.40**
BA9LED-024-WHI	BA9 LED 24VAC/DC WHITE (32726)	**$**	**21.90**
BA9LED-024-YEL	BA9 LED 24VAC/DC YELLOW	**$**	**14.40**
BA9LED-110AC-AMB	BA9 LED 110V AC AMBER	**$**	**14.40**
BA9LED-110AC-GRN	BA9 LED110V AC GREEN	**$**	**19.10**
BA9LED-110AC-RED	BA9 LED 110V AC RED	**$**	**-**
BA9LED-110AC-WHI	BA9 LED 110V AC WHITE	**$**	**19.10**
BA9LED-110DC/AC-AMB	BA9 LED 110VAC/DC AMBER	**$**	**14.40**
BA9LED-110DC/AC-GRN	BA9 LED 110VAC/DC GREEN (32748)	**$**	**21.90**
BA9LED-110DC/AC-RED	BA9 LED 110VAC/DC RED (32743)	**$**	**14.40**
BA9LED-110DC/AC-WHI	BA9 LED 110VAC/DC WHITE	**$**	**21.90**
BA9LED-110DC/AC-YEL	BA9 LED 110VAC/DC YELLOW	**$**	**14.40**
BA9LED-110-YEL	BA9 LED 110V AC YELLOW	**$**	**14.40**
BA9LED-230-AMB	BA9 LED 230/240VAC AMBER	**$**	**14.40**
BA9LED-230-BLU	BA9 LED 230/240VAC BLUE	**$**	**21.90**
BA9LED-230-GRN	BA9 LED 230/240VAC GREEN (32758)	**$**	**21.90**
BA9LED-230-RED	BA9 LED 230/240VAC RED	**$**	**14.40**
BA9LED-230-WHI	BA9 LED 230/240VAC WHITE	**$**	**21.90**
BA9LED-230-YEL	BA9 LED 230/240VAC YELLOW	**$**	**14.40**
E10LED-006-BLU	E10 LED 6V BLUE	**$**	**21.90**
E10LED-006-GRN	E10 LED 6V GREEN	**$**	**19.10**
E10LED-006-RED	E10 LED 6V RED	**$**	**14.40**
E10LED-006-WHI	E10 LED 6V WHITE	**$**	**19.10**
E10LED-006-YEL	E10 LED 6V YELLOW	**$**	**14.40**
E10LED-012-BLU	E10 LED 12V BLUE	**$**	**21.90**
E10LED-012-GRN	E10 LED 12V GREEN	**$**	**19.10**
E10LED-012-RED	E10 LED 12V RED	**$**	**14.40**
E10LED-012-WHI	E10 LED 12V WHITE	**$**	**21.90**
E10LED-012-YEL	E10 LED 12V YELLOW	**$**	**14.40**
E10LED-024-AMB	E10 LED 24V AMBER	**$**	**14.40**
E10LED-024-BLU	.01E10 LED 24V BLUE	**$**	**21.90**
E10LED-024-GRN	E10 LED 24V GREEN	**$**	**21.90**
E10LED-024-RED	E10 LED 24V RED	**$**	**14.40**
E10LED-024-WHI	E10 LED 24V WHITE	**$**	**21.90**
E10LED-024-YEL	E10 LED 24V YELLOW	**$**	**14.40**
E10LED-110-AMB	E10 LED 110VAC/DC AMBER	**$**	**14.40**
E10LED-110-BLU	E10 LED 110VAC/DC BLUE	**$**	**21.90**
E10LED-110-GRN	E10 LED 110VAC/DC GREEN	**$**	**21.90**
E10LED-110-RED	E10 LED 110VAC/DC RED	**$**	**14.40**
E10LED-110-WHI	E10 LED110VAC/DC WHITE	**$**	**21.90**
E10LED-230-AMB	E10 LED 230V AMBER	**$**	**14.40**
E10LED-230-BLU	E10 LED 230V BLUE	**$**	**21.90**
E10LED-230-GRN	E10 LED 230V GREEN	**$**	**4.00**
E10LED-230-RED	E10 LED 230V RED	**$**	**14.40**
E10LED-230-WHI	E10 LED 230V WHITE (32816)	**$**	**21.90**
E10LED-230-YEL	E10 LED 230V YELLOW	**$**	**14.40**
LAMPEXT-SET	LAMP EXTRACTORS, FULL SET 9 PIECES	**$**	**57.30**

CROMPTON - Moving Iron Ammeters & Voltmeters for AC measurements

Crompton Switchboard Instruments with slide-in Scales. CL 1.5

Model 242 90°Ammeters quadrant scale 48x48mm (cut-out 45x45mm)

242-756G-1A	48x48mm AMMETER QUAD SCALE M.I. 1A O/S 6A	**$**	**112.40**
242-756G-5A	48x48mm AMMETER QUAD SCALE M.I. 40A O/S 240A	**$**	**112.40**
242-756G-10A	48x48mm AMMETER QUAD SCALE M.I. 10A O/S 60A	**$**	**112.40**
242-756G-15A	48x48mm AMMETER QUAD SCALE M.I. 15A O/S 90A	**$**	**112.40**

Ammeters CT Connect - Stock Range

242-756G-1A	48x48mm AMMETER QUAD SCALE M.I. 1A O/S 6A	**$**	**112.40**
242-756G-5A	48x48mm AMMETER QUAD SCALE M.I. 40A O/S 240A	**$**	**112.40**

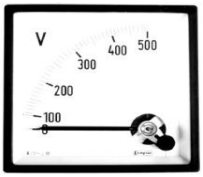
Model 242 Scale Plates

242-SCALE-40A	48x48mm SCALEPLATE, QUAD SCALE M.I. 40/5A - 240A O/S	**$**	**15.00**
242-SCALE-60A	48x48mm SCALEPLATE, QUAD SCALE M.I. 60/5A -360A O/S	**$**	**15.00**
242-SCALE-100A	48x48mm SCALEPLATE, QUAD SCALE M.I. 100/5A - 600A O/S	**$**	**15.00**
242-SCALE-150A	48x48mm SCALEPLATE, QUAD SCALE M.I. 150/5A - 750A O/S	**$**	**15.00**
242-SCALE-200A	48x48mm SCALEPLATE, QUAD SCALE M.I. 200/5A - 1.2KA O/S	**$**	**15.00**
242-SCALE-300A	48x48mm SCALEPLATE, QUAD SCALE M.I. 300/5A - 1.8KA O/S	**$**	**15.00**
242-SCALE-400A	48x48mm SCALEPLATE, QUAD SCALE M.I. 400/5A - 2.4KA O/S	**$**	**15.00**
242-SCALE-500A	48x48mm SCALEPLATE, QUAD SCALE M.I. 500/5A - 3KA O/S	**$**	**15.00**
242-SCALE-600A	48x48mm SCALEPLATE, QUAD SCALE M.I. 600/5A - 3.6KA O/S	**$**	**15.00**
242-SCALE-800A	48x48mm SCALEPLATE, QUAD SCALE M.I. 800/5A - 4.8KA O/S	**$**	**15.00**
242-SCALE-1000A	48x48mm SCALEPLATE, QUAD SCALE M.I. 1000/5A - 6KA O/S	**$**	**15.00**
242-SCALE-1200A	48x48mm SCALEPLATE, QUAD SCALE M.I. 1200/5A - 7.2KA O/S	**$**	**15.00**
242-SCALE-1600A	48x48mm SCALEPLATE, QUAD SCALE M.I. 1600/5A - 9.6KA O/S	**$**	**15.00**
242-SCALE-2000A	48x48mm SCALEPLATE, QUAD SCALE M.I. 2000/5A - 12KA O/S	**$**	**15.00**
242-SCALE-2500A	48x48mm SCALEPLATE, QUAD SCALE M.I. 2500/5A - 15KA O/S	**$**	**15.00**
242-SCALE-3000A	48x48mm SCALEPLATE, QUAD SCALE M.I. 3000/5A - 18KA O/S	**$**	**15.00**

Voltmeters

242-75VG-150V	48x48mm VOLTMETER QUAD SCALE M.I. 150VAC	**$**	**128.30**
242-75VG-300V	48x48mm VOLTMETER QUAD SCALE M.I. 300VAC	**$**	**128.30**
242-75VG-500V	48x48mm VOLTMETER QUAD SCALE M.I. 500VAC	**$**	**128.30**

Model 243 90°Ammeters quadrant scale 72x72mm (cutout 68x68mm)



243-026G-1A	72x72mm AMMETER QUAD SCALE M.I.1A O/S 6A	**$**	**105.80**
243-026G-5A	72x72mm AMMETER QUAD SCALE M.I. 5A O/S 30A	**$**	**105.80**
243-026G-10A	72x72mm AMMETER QUAD SCALE M.I.10A O/S 60A	**$**	**105.80**
243-026G-15A	72x72mm AMMETER QUAD SCALE M.I.15A O/S 90A	**$**	**105.80**
243-026G-20A	72x72mm AMMETER QUAD SCALE M.I.20A O/S 120A	**$**	**105.80**
243-026G-30A	72x72mm AMMETER QUAD SCALE M.I.2A O/S 12A	**$**	**105.80**
243-026G-40A	72x72mm AMMETER QUAD SCALE M.I.3A O/S 18A	**$**	**105.80**
243-026G-60A	72x72mm AMMETER QUAD SCALE M.I. 60A O/S 360A	**$**	**191.70**

Ammeters CT Connect

243-026G-1A	72x72mm AMMETER QUAD SCALE M.I.1A O/S 6A	**$**	**105.80**
243-026G-5A	72x72mm AMMETER QUAD SCALE M.I. 5A O/S 30A	**$**	**105.80**

Due to volatile international material costs, prices may change at short notice.
check before ordering

Model 243 Scale Plates

243-SCALE-40A	72x72mm SCALEPLATE, QUAD SCALE M.I. 40/5A - 240A O/S	$	34.00
243-SCALE-60A	72x72mm SCALEPLATE, QUAD SCALE M.I. 60/5A - 360A O/S	$	34.00
243-SCALE-100A	72x72mm SCALEPLATE, QUAD SCALE M.I. 100/5A - 600A O/S	$	34.00
243-SCALE-150A	72x72mm SCALEPLATE, QUAD SCALE M.I. 150/5A - 750A O/S	$	34.00
243-SCALE-200A	72x72mm SCALEPLATE, QUAD SCALE M.I. 200/5A - 1200A O/S	$	34.00
243-SCALE-300A	72x72mm SCALEPLATE, QUAD SCALE M.I. 300/5A - 1.8KA O/S	$	34.00
243-SCALE-400A	72x72mm SCALEPLATE, QUAD SCALE M.I. 400/5A - 2.4KA O/S	$	34.00
243-SCALE-500A	72x72mm SCALEPLATE, QUAD SCALE M.I. 500/5A - 3KA O/S	$	34.00
243-SCALE-600A	72x72mm SCALEPLATE, QUAD SCALE M.I. 600/5A - 3.6KA O/S	$	34.00
243-SCALE-800A	72x72mm SCALEPLATE, QUAD SCALE M.I. 800/5A - 4.8K O/S	$	34.00
243-SCALE-1000A	72x72mm SCALEPLATE, QUAD SCALE M.I. 1000/5A - 6KA O/S	$	34.00
243-SCALE-1200A	72x72mm SCALEPLATE, QUAD SCALE M.I. 1200/5A - 7.2KA O/S	$	34.00
243-SCALE-1600A	72x72mm SCALEPLATE, QUAD SCALE M.I. 1600/5A - 9.6KA O/S	$	34.00
243-SCALE-2000A	72x72mm SCALEPLATE, QUAD SCALE M.I. 2000/5A - 12KA O/S	$	34.00
243-SCALE-2500A	72x72mm SCALEPLATE, QUAD SCALE M.I. 2500/5A - 15KA O/S	$	34.00
243-SCALE-3000A	72x72mm SCALEPLATE, QUAD SCALE M.I. 3000/5A - 18KA O/S	$	34.00

Voltmeters

243-02VG-150V	72x72mm VOLTMETER, QUAD SCALE, M.I. 150VAC	$	105.80
243-02VG-300V	72x72mm VOLTMETER, QUAD SCALE, M.I. 300VAC	$	105.80
243-02VG-500V	72x72mm VOLTMETER, QUAD SCALE, M.I. 500VAC	$	105.80

Model 244 90°Ammeters quadrant scale 96x96mm (cutout 92x92mm) Direct Connect

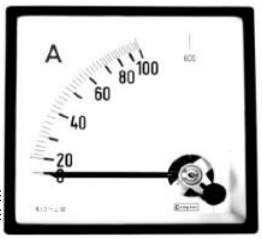
244-026G-1A	96x96mm AMMETER QUAD SCALE M.I.1A O/S 6A	$	105.80
244-026G-5A	96x96mm AMMETER QUAD SCALE M.I.5A O/S 30A	$	105.80
244-026G-10A	96x96mm AMMETER QUAD SCALE M.I.10A O/S 60A	$	105.80
244-026G-15A	96x96mm AMMETER QUAD SCALE M.I.15A O/S 90A	$	105.80
244-026G-20A	96x96mm AMMETER QUAD SCALE M.I.20A O/S 120A	$	105.80
244-026G-30A	96x96mm AMMETER QUAD SCALE M.I.30A O/S 180A	$	105.80
244-026G-40A	96x96mm AMMETER QUAD SCALE M.I.40A O/S 240A	$	105.80
244-026G-60A	96x96mm AMMETER QUAD SCALE M.I. 60A O/S 360A	$	198.30

Ammeters CT Connect

244-026G-1A	96x96mm AMMETER QUAD SCALE M.I.1A O/S 6A	$	105.80
244-026G-5A	96x96mm AMMETER QUAD SCALE M.I.5A O/S 30A	$	105.80

Model 244 Scale Plates

244-SCALE-40A	96x96mm SCALEPLATE, QUAD SCALE M.I. 40/5A - 240A OVERSCALE	$	31.20
244-SCALE-60A	96x96mm SCALEPLATE, QUAD SCALE M.I. 60/5A - 360A OVERSCALE	$	31.20
244-SCALE-100A	96x96mm SCALEPLATE, QUAD SCALE M.I. 100/5A - 600A OVERSCALE	$	31.20
244-SCALE-150A	96x96mm SCALEPLATE, QUAD SCALE M.I. 150/5A - 900A OVERSCALE	$	31.20
244-SCALE-200A	96x96mm SCALEPLATE, QUAD SCALE M.I. 200/5A - 1.2KA OVERSCALE	$	31.20
244-SCALE-300A	96x96mm SCALEPLATE, QUAD SCALE M.I. 300/5A - 1.8KA OVERSCALE	$	31.20
244-SCALE-400A	96x96mm SCALEPLATE, QUAD SCALE M.I. 400/5A - 2.4KA OVERSCALE	$	31.20
244-SCALE-500A	96x96mm SCALEPLATE, QUAD SCALE M.I. 500/5A -3KA OVERSCALE	$	31.20
244-SCALE-600A	96x96mm SCALEPLATE, QUAD SCALE M.I. 600/5A - 3.6KA OVERSCALE	$	31.20
244-SCALE-800A	96x96mm SCALEPLATE, QUAD SCALE M.I. 800/5A - 4.8KA OVERSCALE	$	31.20
244-SCALE-1000A	96x96mm SCALEPLATE, QUAD SCALE M.I. 1000/5A - 6KA OVERSCALE	$	31.20
244-SCALE-1200A	96x96mm SCALEPLATE, QUAD SCALE M.I. 1200/5A - 7.2KA OVERSCALE	$	31.20
244-SCALE-1600A	96x96mm SCALEPLATE, QUAD SCALE M.I. 1600/5A - 9.6KA OVERSCALE	$	31.20
244-SCALE-2000A	96x96mm SCALEPLATE, QUAD SCALE M.I. 2000/5A - 12KA OVERSCALE	$	31.20
244-SCALE-2500A	96x96mm SCALEPLATE, QUAD SCALE M.I. 2500/5A - 15KA OVERSCALE	$	31.20
244-SCALE-3000A	96x96mm SCALEPLATE, QUAD SCALE M.I. 3000/5A - 15KA OVERSCALE	$	31.20



Voltmeters

244-02VG-150V	96x96mm VOLTMETER QUAD SCALE, M.I.150VAC	$	105.80
244-02VG-300V	96x96mm VOLTMETER QUAD SCALE, M.I. 300VAC	$	105.80
244-02VG-500V	96x96mm VOLTMETER QUAD SCALE, M.I. 500VAC	$	105.80

Due to volatile international material costs, prices may change at short notice.
check before ordering

RISHABH - Model CEQ72 Ammeters, 72x72mm quadrant scale

CEQ72-1A	72x72mm AMMETER, QUAD SCALE M.I. 1A O/S 2A	$	99.20
CEQ72-2.5A	72x72mm AMMETER, QUAD SCALE M.I. 2.5A O/S 5A	$	99.20
CEQ72-5A	72x72mm AMMETER, QUAD SCALE M.I. 5A O/S 10A	$	99.20
CEQ72-6A	72x72mm AMMETER, QUAD SCALE M.I. 6A O/S 12A	$	99.20
CEQ72-10A	72x72mm AMMETER, QUAD SCALE M.I. 10A O/S 20A	$	99.20
CEQ72-15A	72x72mm AMMETER, QUAD SCALE M.I. 15A O/S 30A	$	99.20
CEQ72-20A	72x72mm AMMETER, QUAD SCALE M.I. 20A O/S 40A	$	99.20
CEQ72-30A	72x72mm AMMETER, QUAD SCALE M.I. 30A O/S 60A	$	99.20
CEQ72-40A	72x72mm AMMETER, QUAD SCALE M.I. 40A O/S 80A	$	99.20
CEQ72-60A	72x72mm AMMETER, QUAD SCALE M.I. 60A O/S 120A	$	99.20
CEQ72-50A	72x72mm AMMETER, QUAD SCALE M.I. 50A O/S 100A	$	99.20
CEQ72-100A	72x72mm AMMETER, QUAD SCALE M.I. 100A O/S 200A	$	99.20

CT Connect - Specify scale and CT ratio when ordering

CEQ72-1ACT	72x72mm AMMETER, QUAD SCALE M.I. 1A CT RATIO SCALEPLATE	$	112.40
CEQ72-5ACT	72x72mm AMMETER, QUAD SCALE M.I. 5A CT RATIO SCALEPLATE	$	92.50
CEQ72-A-NON-STD	72x72mm AMMETER, QUAD SCALE M.I. NON STANDARD SCALE	$	146.80

CEQ72 Scale Plates

CEQ72-SCALE-NON-STD	SCALED FOR NON STOCK RANGE	$	44.90
CEQ72-SCALE-30-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 30-60/5A	$	6.70
CEQ72-SCALE-40-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 40-80/5A	$	6.70
CEQ72-SCALE-50-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 50-100/5A	$	6.70
CEQ72-SCALE-60-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 60-120/5A	$	6.70
CEQ72-SCALE-75-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 75-150/5A	$	6.70
CEQ72-SCALE-100-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 100-200/5A	$	6.70
CEQ72-SCALE-150-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 150-300/5A	$	6.70
CEQ72-SCALE-200-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 200-400/5A	$	6.70
CEQ72-SCALE-250-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 200-500/5A	$	6.70
CEQ72-SCALE-300-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 300-600/5A	$	6.70
CEQ72-SCALE-400-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 400-800/5A	$	6.70
CEQ72-SCALE-500-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 500-1000/5A	$	6.70
CEQ72-SCALE-600-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 600-1200/5A	$	6.70
CEQ72-SCALE-800-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 800-1600/5A	$	6.70
CEQ72-SCALE-1000-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 1000-2000/5A	$	6.70
CEQ72-SCALE-1200-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 1200-2400/5A	$	6.70
CEQ72-SCALE-1600-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 1600-3200/5A	$	6.70
CEQ72-SCALE-2000-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 2000-400/5A	$	6.70
CEQ72-SCALE-3000-5A	72x72mm SCALEPLATE, QUAD SCALE M.I. 3000-6000/5A	$	6.70

Model CEQ72 90°Voltmeters quadrant scale 72x72mm (cutout 68x68mm)

CEQ72-250V	72x72mm VOLTMETER, QUAD SALE M.I., 250VAC	$	99.20
CEQ72-500V	72x72mm VOLTMETER, QUAD SALE M.I., 500VAC	$	99.20
CEQ72-V-NON-STD	72x72 M/IRON VOLTMETER SCALED TO ORDER	$	142.80
FQ0307-V-NON-STD	72x72mm VOLTMETER, QUAD SCALE M.I. SCALED TO ORDER	$	173.30

Model CEQ96 90°Ammeters quadrant scale 96x96mm (cutout 92x92mm)

CEQ96-1A	96x96mm AMMETER, QUAD SCALE M.I. 1A O/S 2A	$	99.20
CEQ96-2.5A	96x96mm AMMETER, QUAD SCALE M.I. 2.5A O/S 5A	$	99.20
CEQ96-5A	96x96mm AMMETER, QUAD SCALE M.I. 5A O/S 10A	$	99.20
CEQ96-10A	96x96mm AMMETER, QUAD SCALE M.I. 10A O/S 20A	$	99.20
CEQ96-15A	96x96mm AMMETER, QUAD SCALE M.I. 15A O/S 30A	$	99.20
CEQ96-20A	96x96mm AMMETER, QUAD SCALE M.I. 20A O/S 40A	$	99.20
CEQ96-30A	96x96mm AMMETER, QUAD SCALE M.I. 30A O/S 60A	$	99.20
CEQ96-40A	96x96mm AMMETER, QUAD SCALE M.I. 40A O/S 80A	$	99.20
CEQ96-50A	96x96mm AMMETER, QUAD SCALE M.I. 50A O/S 100A	$	99.20
CEQ96-60A	96x96mm AMMETER, QUAD SCALE M.I. 60A O/S 120A	$	99.20
CEQ96-100A	96x96mm AMMETER, QUAD SCALE M.I. 100A O/S 200A	$	99.20

CT Connect - Specify scale and CT ratio when ordering

CEQ96-1ACT	96x96mm AMMETER, QUAD SCALE M.I. 5A CT RATIO SCALEPLATE	$	112.40
CEQ96-5ACT	96x96mm AMMETER, QUAD SCALE M.I. 5A CT RATIO SCALEPLATE	$	92.50
CEQ96-A-NON-STD	96x96mm AMMETER, QUAD SCALE M.I. NON STANDARD SCALE	$	146.80

Moving Iron Ammeters & Voltmeters for AC measurements

CEQ96-SCALE-NON-STD	SCALED FOR NON STOCK RANGE	$	44.90
CEQ96-SCALE-BLANK	96x96mm BLANK SCALEPLATE	$	13.20
CEQ96-SCALE-30-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 30-60A	$	6.70
CEQ96-SCALE-40-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 40-80/5A	$	6.70
CEQ96-SCALE-60-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 60-120/5A	$	6.70
CEQ96-SCALE-75-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 75-150/5A	$	6.70
CEQ96-SCALE-100-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 100-200/5A	$	6.70
CEQ96-SCALE-150-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 150-300/5A	$	6.70
CEQ96-SCALE-200-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 200-400/5A	$	6.70
CEQ96-SCALE-250-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 250-500/5A	$	6.70
CEQ96-SCALE-300-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 300-600/5A	$	6.70
CEQ96-SCALE-400-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 400-800/5A	$	6.70
CEQ96-SCALE-500-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 500-1000/5A	$	6.70
CEQ96-SCALE-600-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 600-1200/5A	$	6.70
CEQ96-SCALE-800-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 800-1600/5A	$	6.70
CEQ96-SCALE-1000-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 1000-2000/5A	$	6.70
CEQ96-SCALE-1200-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 1200-2400/5A	$	6.70
CEQ96-SCALE-1600-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 1600-3200/5A	$	6.70
CEQ96-SCALE-2000-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 2000-4000/5A	$	6.70
CEQ96-SCALE-3000-5A	96x96mm SCALEPLATE, QUAD SCALE M.I. 3000-6000/5A	$	6.70

Model CEQ96 90°Voltmeters quadrant scale 96x96mm (cutout 92x92mm)

CEQ96-250V	96x96mm VOLTMETER, QUAD SCALE M.I. 250V	$	99.20
CEQ96-500V	96x96mm VOLTMETER, QUAD SCALE M.I. 500V	$	99.20
CEQ96-V-NON-STD	96x96mm M/IRON VOLTMETER SCALED TO ORDER	$	142.80

IP65 Rated Kits

When used in conjunction with the CEQ meters, an IP65 rating can be achieved. Comprises a faceplate, cover and bezel gasket.

CEQ-IP65-KIT-72	IP65 KIT FOR 72x72 METERS	$	49.00
CEQ-IP65-KIT-96	IP65 KIT FOR 96x96 METERS	$	49.00

Moving Iron Ammeters & Voltmeters for AC measurements

CEQ35 Ammeters, 48x48mm, quadrant scale DIN Rail mount. Cl 1.5

CEQ35-5A	48x48mm AMMETER, DIN RAIL MOUNT M.I. 5A O/S 10A	$	99.20
CEQ35-10A	48x48mm AMMETER, DIN RAIL MOUNT M.I.10A O/S 20A	$	99.20
CEQ35-15A	48x48mm AMMETER, DIN RAIL MOUNT M.I.15A O/S 30A	$	99.20

CT Connected - Specify scale and CT ratio when ordering

CEQ35-5A-CT	48x48mm AMMETER, DIN RAIL MOUNT M.I. 5A CT RATIOS	$	92.50
CEQ35-A-NON-STD	48x48mm AMMETER, DIN RAIL MOUNT M.I. 5A NON STANDARD CT RATIOS	$	146.80

CEQ35 Scale Plates

CEQ35-SCALE-BLANK	48x48mm SCALEPLATE, BLANK	$	6.70
CEQ35-SCALE-100/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 100-200/5A	$	6.70
CEQ35-SCALE-150/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 150-300/5A	$	6.70
CEQ35-SCALE-200/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 200-400/5A	$	6.70
CEQ35-SCALE-300/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 300-600/5A	$	6.70
CEQ35-SCALE-400/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 400-800/5A	$	6.70
CEQ35-SCALE-600/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 600-1200/5A	$	6.70
CEQ35-SCALE-800/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 800-1600/5A	$	6.70
CEQ35-SCALE-1000/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 1000-2000/5A	$	6.70
CEQ35-SCALE-1200/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 1200-2400/5A	$	6.70
CEQ35-SCALE-1600/5A	48x48mm SCALEPLATE, QUAD SCALE M.I. 1600-3200/5A	$	6.70

Model CEQ35 Voltmeter, 48x48mm quadrant scale DIN Rail mount. Cl 1.5

CEQ35-300V	48x48mm VOLTMETER DIN RAIL MOUNT M.I. 0-300VAC	$	99.20
CEQ35-500V	48x48mm VOLTMETER DIN RAIL MOUNT M.I. 0-500VAC	$	99.20

Model CEQ35 Frequency meter, 48x48mm quadrant scale DIN Rail mount.

ZQ35-230V-45-55HZ	DIN RAIL FREQUENCY METER 45-55Hz/230V	$	99.20
ZQ35-400V-45-55HZ	DIN RAIL FREQUENCY METER 45-55Hz/400V	$	99.20

RISHABH Thermal Maximum Demand Indicators, 72x72mm, CL3

Available in 72 x 72mm or 96 x 96mm with MDI only or combined MDI/Ammeter in the 96 x 96mm version. Maximum demand is calculated over a 15 minute period and are overscaled by 20%. CL3 for the MDI and CL 1.5 for the Ammeter. Slide-in scaleplate.

BIQ72-5A	MDI METER 72mm 5A INPUT WITHOUT SCALE	**$**	**207.20**

BIQ-72 Slide-in Scale plates

BIQ72-SCALE-60-5A	72x72mm, BIQ72 SCALEPLATE 60/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-100-5A	72x72mm, BIQ72 SCALEPLATE 100/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-150-5A	72x72mm, BIQ72 SCALEPLATE 150/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-200-5A	72x72mm, BIQ72 SCALEPLATE 200/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-250-5A	72x72mm, BIQ72 SCALEPLATE 250/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-300-5A	72x72mm, BIQ72 SCALEPLATE 300/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-400-5A	72x72mm, BIQ72 SCALEPLATE 400/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-500-5A	72x72mm, BIQ72 SCALEPLATE 500/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-600-5A	72x72mm, BIQ72 SCALEPLATE 600/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-800-5A	72x72mm, BIQ72 SCALEPLATE 800/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-1200-5A	72x72mm, BIQ72 SCALEPLATE 1200/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-1500-5A	72x72mm, BIQ72 SCALEPLATE 1500/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-1600-5A	72x72mm, BIQ72 SCALEPLATE 1600/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-2000-5A	72x72mm, BIQ72 SCALEPLATE 2000/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-2500-5A	72x72mm, BIQ72 SCALEPLATE 2500/5A 15MIN	**$**	**6.70**
BIQ72-SCALE-3000-5A	72x72mm, BIQ72 SCALEPLATE 3000/5A 15MIN	**$**	**6.70**

RISHABH - Thermal Maximum Demand Indicators, 96x96mm, CL3

BIQ96-5A	96x96mm, MDI METER, 5A INPUT - WITHOUT SCALE	**$**	**207.20**

BIQ-96 Slide-in Scale plates

BIQ96-SCALE-60-5A	96x96mm, BIQ96 SCALEPLATE 60/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-100-5A	96x96mm, BIQ96 SCALEPLATE 100/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-150-5A	96x96mm, BIQ96 SCALEPLATE 150/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-200-5A	96x96mm, BIQ96 SCALEPLATE 200/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-300-5A	96x96mm, BIQ96 SCALEPLATE 300/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-400-5A	96x96mm, BIQ96 SCALEPLATE 400/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-500-5A	96x96mm, BIQ96 SCALEPLATE 500/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-600-5A		**$**	**6.70**
BIQ96-SCALE-800-5A	96x96mm, BIQ96 SCALEPLATE 800/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-1200-5A	96x96mm, BIQ96 SCALEPLATE 1200/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-1500-5A	96x96mm, BIQ96 SCALEPLATE 1500/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-1600-5A	96x96mm, BIQ96 SCALEPLATE 1600/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-2000-5A	96x96mm, BIQ96 SCALEPLATE 2000/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-2500-5A	96x96mm, BIQ96 SCALEPLATE 2500/5A 15MIN	**$**	**6.70**
BIQ96-SCALE-3000-5A	96x96mm, BIQ96 SCALEPLATE 3000/5A 15MIN	**$**	**6.70**

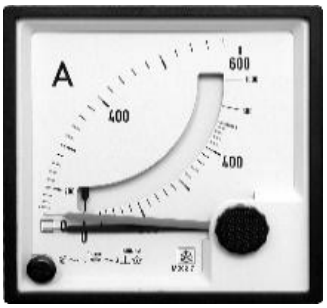
BIEQ-96 Combined Instantaneous and Maximum Demand Meters 96x96mm

Combined Maximum Demand CL3 and Moving Iron Ammeter CL1.5

BIEQ96-5A	96x96mm, COMBINED M.D.I./M.I. AMMETER 5A	**$**	**290.20**

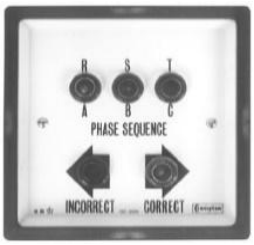
BIEQ Slide-in Scale Plates

BIEQ96-SCALE-60-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-100-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-150-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-200-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-300-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-400-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-500-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-600-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-800-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-1200-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-1500-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-1600-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-2000-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-2500-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**
BIEQ96-SCALE-3000-5A	96x96mm BIEQ96 SCALEPLATE ONLY	**$**	**6.70**



CROMPTON - Phase Sequence Indicators 72x72mm and 96x96mm

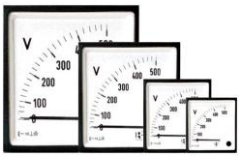
243-12PG	PHASE SEQUENCE INDICATOR, 301-500VAC - 72x72mm	**$**	**786.80**
244-12PG	PHASE SEQUENCE INDICATOR 301-500VAC - 96x96mm	**$**	**814.80**



NOTE: Panel cutouts for above meters: 72mm - cutout 68x68mm, 96mm - cutout 92x92mm, 144mm - cutout 138x138mm

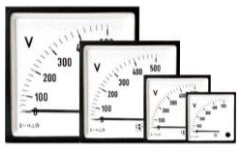
Due to volatile international material costs, prices may change at short notice.
check before ordering

RISHABH 72mm x 72mm QUAD SCALE MOVING COIL METERS - manufactured and scaled to order



DS72-100UA-BL	72x72mm QUAD SCALE M/COIL 100uA MICROAMMETER BLANK SCALE	$	157.40
DS72-1MA-BL	72x72mm QUAD SCALE M/COIL 1mA MILLIAMMETER BLANK SCALE	$	157.40
DS72-4-20MA	72x72mm QUAD SCALE M/COIL TRANSDUCER INDICATOR, 4-20mA	$	268.40
DS72-AAC-10A	72x72mm QUAD SCALE M/COIL AC AMMETER 0-10A	$	223.50
DS72-AAC-1A	72x72mm QUAD SCALE M/COIL AC AMMETER 1.2mA-1A	$	223.50
DS72-AAC-40A	72x72mm QUAD SCALE M/COIL AC AMMETER >5-40A	$	232.60
DS72-AAC-5A	72x72mm QUAD SCALE M/COIL AC AMMETER 1A-5A	$	223.50
DS72-ADC-15A	72x72mm QUAD SCALE M/COIL DC AMMETER 1-15A	$	216.80
DS72-ADC-30A	72x72mm QUAD SCALE M/COIL DC AMMETER 15-30A	$	216.80
DS72-MAAC	72x72mm QUAD SCALE M/COIL AC M-AMMETER 1.2mA-1A SCALED TO ORDER	$	223.50
DS72-MADC	72x72mm QUAD SCALE M/COIL DC MILLIAMMETER SCALED TO ORDER	$	208.90
DS72-MVDC	72x72mm QUAD SCALE M/COIL DC MILLIVOLTMETER SCALED TO ORDER	$	208.90
DS72-UADC	72x72mm QUAD SCALE M/COIL MICROAMMETER DC, SCALED TO ORDER	$	208.90
DS72-VAC	72x72mm QUAD SCALE VOLTMETER, M.C. AC	$	208.90
DS72-VDC	72x72mm QUAD SCALE VOLTMETER, M.C. DC	$	208.90
DS72-SCALE-NON-STD	72x72mm QUAD SCALE M/COIL PRINTED WITH NON STANDARD RANGE	$	44.90

RISHABH 96mm x 96mm QUAD SCALE MOVING COIL METERS manufactured and scaled to order



DS96-100UA-BL	96x96mm QUAD SCALE M/COIL 100uA MICROAMMETER BLANK SCALE	$	157.40
DS96-1MA-BL	96x96mm QUAD SCALE M/COIL 1mA MILLIAMMETER BLANK SCALE	$	157.40
DS96-4-20MA	96x96mm QUAD SCALE M/COIL 4-20MA AMMETER	$	268.40
DS96-AAC-10A	96x96mm QUAD SCALE M/COIL AC M-AMMETER 0-10A	$	223.50
DS96-AAC-1A	96x96mm QUAD SCALE M/COIL AC M-AMMETER 1.2mA-1A	$	223.50
DS96-AAC-40A	96x96mm QUAD SCALE M/COIL AC AMMETER 5-40A	$	232.60
DS96-AAC-5A	96x96mm QUAD SCALE M/COIL AC AMMETER 1A-5A	$	223.50
DS96-ADC-15A	96x96mm QUAD SCALE M/COIL DC AMMETER 1-15A	$	216.80
DS96-ADC-30A	96x96mm QUAD SCALE M/COIL DC AMMETER 16-30A	$	223.50
DS96-MADC	96x96mm QUAD SCALE M/COIL DC MILLIAMMETER SCALED TO ORDER	$	208.90
DS96-MVDC	96x96mm QUAD SCALE M/COIL DC MILLIVOLTMETER SCALED TO ORDER	$	208.90
DS96-UADC	96x96mm QUAD SCALE M/COIL DC MICROAMMETER	$	208.90
DS96-VAC	96x96mm QUAD SCALE M/COIL AC VOLTMETER	$	208.90
DS96-VDC	96X96mm QUAD SCALE M/COIL DC VOLTMETER	$	208.90
DS96-SCALE-NON-STD	96x96mm QUAD SCALE M/COIL PRINTED WITH NON STANDARD RANGE	$	44.90

RISHABH 72mm x 72mm LONG SCALE MOVING COIL METERS manufactured and scaled to order

DSL72-1MA-BL	72x72mm LONG SCALE M/COIL 1mA MILLIAMMETER BLANK SCALE	$	313.40
DSL72-4-20MA	72x72mm LONG SCALE M/COIL 4-20mA AMMETER	$	427.00
DSL72-5MA-BL	72X72mm LONG SCALE M/COIL 5mA MILLIAMMETER BLANK SCALE	$	313.40
DSL72-AAC-40A	72x72mm LONG SCALE M/COIL AC AMMETER 5-40A	$	382.10
DSL72-AAC-5A	72x72mm LONG SCALE M/COIL AC AMMETER 1A-5A	$	382.10
DSL72-AAC-NON-STD	72x72mm LONG SCALE M/COIL C/T AMMETER WITH COMPRESSED OVERSCALE	$	427.00
DSL72-ADC-15A	72x72mm LONG SCALE M/COIL DC AMMETER 1-15A	$	367.50
DSL72-ADC-30A	72x72mm LONG SCALE M/COIL DC AMMETER 16-30A	$	367.50
DSL72-MAAC	72x72mm LONG SCALE M/COIL AC AMMETER 1.2mA-1A SCALED TO ORDER	$	427.00
DSL72-MADC	72x72mm LONG SCALE M/COIL DC MA AMMETER SCALED TO ORDER	$	367.50
DSL72-MVDC	72x72mm LONG SCALE M/COIL DC MILLIVOLMETER SCALED TO ORDER	$	367.50
DSL72-VAC	72x72mm LONG SCALE M/COIL AC VOLTMETER	$	367.50
DSL72-VDC	72x72mm LONG SCALE M/COIL DC VOLTMETER	$	367.50
DSL72-SCALE-NON-STD	96X96mm LONG SCALE M/COIL PRINTED WITH NON STANDARD RANGE	$	44.90

RISHABH 96mm x 96mm LONG SCALE MOVING COIL METERS manufactured and scaled to order

DSL96-1MA-BL	96x96mm LONG SCALE M/COIL 1mA MILLIIAMMETER BLANK SCALE	$	313.40
DSL96-4-20MA	96x96mm LONG SCALE M/COIL 4-20MA AMMETER	$	427.00
DSL96-5MA-BL	96x96mm LONG SCALE M/COIL 5mA MILLIAMMETER BLANK SCALE	$	313.40
DSL96-AAC-40A	96x96mm LONG SCALE M/COIL AC M-AMMETER 5-40A	$	382.10
DSL96-AAC-5A	96x96mm LONG SCALE M/COIL AC AMMETER 1A-5A	$	382.10
DSL96-AAC-NON-STD	96x96mm LONG SCALE M/COIL C/T AMMETER WITH COMPRESSED OVERSCALE	$	427.00
DSL96-ADC-15A	96x96mm LONG SCALE M/COIL DC AMMETER 1-15A	$	367.50
DSL96-ADC-30A	96x96mm LONG SCALE M/COIL DC AMMETER 16-30A	$	372.80
DSL96-MAAC	96x96mm LONG SCALE M/COIL AC MA AMMETER 1.2mA-1A SCALED TO ORDER	$	427.00
DSL96-MADC	96x96mm LONG SCALE M/COIL DC MA AMMETER SCALED TO ORDER	$	367.50
DSL96-MVDC	96x96mm LONG SCALE M/COIL DC MV VOLTMETER SCALED TO ORDER	$	367.50
DSL96-VAC	96x96mm LONG SCALE M/COIL AC VOLTMETER	$	367.50
DSL96-VDC	96x96mm LONG SCALE M/COIL DC VOLTMETER	$	367.50
DSL96-SCALE-NON-STD	72x72mm LONG SCALE M/COIL PRINTED WITH NON STANDARD RANGE	$	44.90

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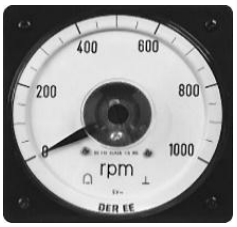
DER EE ANSI METERS, 240° Movement. CL 1.5. Ammeters manufactured and scaled to order

DE110-ADC	110x110mm LONG SCALE M.C AMMETER SCALED TO ORDER	$	343.70
DE110-MAAC	110x110mm LONG SCALE M.C AMMETER 1.2mA-1A SCALED TO ORDER	$	366.20
DE110-AAC-10A	110x110mm LONG SCALE M.C AMMETER 1.1-10A	$	388.60

DER EE ANSI METERS, 240° Movement. CL 1.5.Voltmeters manufactured and scaled to order

DE110-MVDC	110x110mm LONG SCALE M.C VOLTMETER MV SCALED TO ORDER	$	343.70
DE110-VDC	110x110mm LONG SCALE M.C VOLTMETER SCALED TO ORDER	$	343.70
DE110-VAC	110x110mm LONG SCALE M.C VOLTMETER AC SCALED TO ORDER	$	343.70

Special design surcharge applicable to all above models



METER-EXTRA1	CHARGE FOR DUAL SCALING	$	52.90
METER-EXTRA2	CHARGE FOR DIODE OVERLOAD PROTECTION	$	14.60
METER-EXTRA3	CHARGE FOR ZERO SUPPRESSION	$	59.60
METER-EXTRA4	CHARGE FOR CENTRE OR OFFSET ZERO	$	44.90
METER-EXTRA5	CHARGE FOR COLOURED LINE AT	$	14.60
METER-EXTRA6	CHARGE FOR CALIBRATION POTENTIOMETER	$	37.00
METER-EXTRA7	CHARGE FOR COLOURED BAND (PER BAND)	$	22.50
METER-EXTRA8	CHARGE FOR NON-REFL GLASS C/W ZERO ADJ	$	22.50
METER-EXTRA11	CHARGE COMPRESSED O/LOAD SCALING (AC)	$	59.60
METER-EXTRA12	KWh METER ADDRESS (PER METER)	$	28.20
METER-EXTRA15	TEST CERTIFICATE ISSUED AT TIME OF REPAIR OR CALIBRATION	$	30.50
METER-EXTRA16	SET-UP AND CALIBRATION OF DIGITAL METER TO CUSTOMER SPEC	$	68.30
METER-EXTRA17	SCALEPLATE - FITTING INTO METER	$	2.50
METER-EXTRA18	TEST CERTIFICATE ISSUED FOR STOCK ITEM	$	58.00

Note! METER-EXTRA8 and METER-EXTRA11 surcharges do not apply to the DE-110 Meters

CEL Horizontal Sector Scale Moving Coil Meters, 76x86mm

DE786 SERIES General Purpose Panel Meters. Cl 2.5

DE786-100MADC	78x86mm M.C. AMMETER 0-100mADC	$	133.80
DE786-100UADC	78x86mm M.C AMMETER 0-100uADC	$	119.00
DE786-10ADC	78x86mm M.C AMMETER 0-10ADC	$	133.80
DE786-15ADC	78x86mm M.C AMMETER 0-15ADC	$	133.80
DE786-1ADC	78x86mm M.C AMMETER 0-1ADC	$	133.80
DE786-1MA-BL	78x86mm M.C MIILLIMMETER 0-1mADC BLANK SCALE	$	86.00
DE786-1MADC	78x86mm M.C AMMETER 0-1mADC	$	138.40
DE786-20ADC	78x86mm M.C AMMETER 0-20ADC	$	133.80
DE786-250VAC	78x86mm M.C AMMETER 0-250VAC	$	140.50
DE786-30ADC	78x86mm M.C AMMETER 0-30ADC	$	133.80
DE786-50UA	78x86mm M.C MICROAMMETER 0-50uADC	$	119.00
DE786-50UA-BL	78x86mm M.C MICROAMMETER 0-50uADC BLANK SCALE	$	86.00
DE786-5ADC	78x86mm M.C AMMETER 0-5ADC	$	133.80
DE786-AAC-1A	78x86mm M.C AMMETER 1.2-500mA AC	$	189.10
DE786-AAC-30A	78x86mm M.C AMMETER 0.5-30AAC	$	216.80
DE786-ADC	78x86mm M.C SPECIAL DC AMMETER SCALED TO ORDER	$	160.00
DE786-MADC	78x86mm M.C SPECIAL MILLIAMMETER SCALED TO ORDER	$	157.40
DE786-UADC	78x86mm M.C MICROAMMETER SCALED TO ORDER	$	157.40
DE786-250VDC	78x86mm M.C VOLTMETER 0-250VDC	$	157.70
DE786-100VDC	78x86mm M.C VOLTMETER 0-100VDC	$	157.60
DE786-10VDC	78x86mm M.C VOLTMETER 0-10VDC	$	157.60
DE786-15VDC	78x86mm M.C VOLTMETER 0-15VDC	$	157.60
DE786-16-32V	78x86mm M.C VOLTMETER 16-32VDC	$	216.80
DE786-30VDC	78x86mm M.C VOLTMETER 0-30VDC	$	157.80
DE786-50MV-BL	78x86mm M.C MILLIIVOLTMETR 0-50mVDC BLANK SCALE	$	86.00
DE786-50VDC	78x86mm M.C VOLTMETER 0-50VDC	$	157.70
DE786-8-16V	78x86mm M.C VOLTMETER 8-16VDC	$	216.80
DE786-MV	78x86mm M.C MILLIVOLTMETER	$	157.40
DE786-VAC	78x86mm M.C SPECIAL AC VOLTMETER SCALED TO ORDER	$	165.30
DE786-VDC	78x86mm M.C SPECIAL DC VOLTMETER SCALED TO ORDER	$	157.60
DE786-SCALE-BLANK	BLANK SCALE PLATE FOR DE786 METER	$	13.20

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Horizontal Sector Scale Moving Coil Meters - Cl 2.5, 90deg., 70x60mm

DE670-10A	70x60mm M.C AMMETER 10ADC	**$**	**63.50**
DE670-1MA	70x60mm M.C MILLIAMMETER 1mA	**$**	**63.50**
DE670-1MA-BL	70x60mm M.C MILLIAMETER 1mA BLANK SCALE	**$**	**63.50**
DE670-20A	70x60mm M.C AMMETER 20ADC	**$**	**63.50**
DE670-50UA-BL	70x60mm M.C MILLIAMETER 50uA BLANK SCALE	**$**	**63.50**
DE670-5A	70x60mm M.C AMMETER 5ADC	**$**	**63.50**
DE670-5MA	70x60mm M.C AMMETER 5mADC	**$**	**63.50**
DE670-5MA-BL	70x60mm M.C AMMETER 5mA BLANK SCALE	**$**	**63.50**
DE670-AAC-10A	70x60mm M.C. AMMETER 0.5-10A AC	**$**	**165.30**
DE670-AAC-30A	70x60mm M.C AMMETER EXTERNAL CT 10-30A AC	**$**	**165.30**
DE670-ADC	70x60mm M.C AMMETER SCALED TO ORDER	**$**	**111.00**
DE670-MAAC	70x60mm M.C AC AMMETER (<500Ma) SCALED TO ORDER	**$**	**123.00**
DE670-MADC	70x60mm M.C MILLII-AMMETER SCALED TO ORDER	**$**	**111.00**
DE670-100HZ-10V	70x60mm M.C. VOLTMETER 0-100Hz, 0-10Vdc	**$**	**111.00**
DE670-100HZ-20V	70x60mm M.C VOLTMETER 0-100Hz, 0-20Vdc	**$**	**111.00**
DE670-10V	70x60mm M.C VOLTMETER 10VDC	**$**	**63.50**
DE670-15V	70x60mm M.C VOLTMETER 15VDC	**$**	**63.50**
DE670-20V	70x60mm M.C VOLTMETER 20VDC	**$**	**63.50**
DE670-30V	70x60mm M.C VOLTMETER 30VDC	**$**	**63.50**
DE670-50MV-BL	70x60mm M.C MILLIVOLT METER 50mV BLANK SCALE	**$**	**63.50**
DE670-60HZ-10V	70x60mm M.C VOLTMETER 0-60Hz, 0-10VDC	**$**	**111.00**
DE670-MVDC	70x60mm M.C MILLIVOLTMETER SCALED TO ORDER	**$**	**111.00**
DE670-VAC	70x60mm M.C. AC VOLTMETER SCALED TO ORDER	**$**	**120.40**
DE670-VDC	70x60mm M.C DC VOLTMETER SCALED TO ORDER	**$**	**111.00**
DE670-SCALE-BLANK	BLANK SCALE PLATE FOR DE670 METER	**$**	**13.20**

Horizontal Sector Scale Moving Coil Meters - Cl 1.5, 90deg. tautband, 120x100mm

DE120-1MADC-BL	120x100mm M.C MILLIAMMETER BLANK SCALE	**$**	**208.90**
DE120-50UADC-BL	120x100mm M.C MICROAMMETER BLANK SCALE	**$**	**208.90**
DE120-AAC	120x100mm M.C AC AMMETER SCALED TO ORDER	**$**	**282.90**
DE120-ADC	120x100mm M.C AMMETER SCALED TO ORDER	**$**	**247.30**
DE120-MADC	120x100mm M.C MILLIAMMETER SCALED TO ORDER	**$**	**247.30**
DE120-MVDC	120x100mm M.C MILLIVOLTMETER SCALED TO ORDER	**$**	**247.30**
DE120-UADC	120x100mm M.C MICROAMMETER SCALED TO ORDER	**$**	**253.80**
DE120-VAC	120x100mm M.C RECT. VOLTMETER SCALED TO ORDER	**$**	**247.30**
DE120-VDC	120x100mm M.C VOLTMETER SCALED TO ORDER	**$**	**247.30**

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FREQUENCY METERS

RISHABH - 90° Quadrant scale, Frequency meters

FM72-110V-45-55HZ	72x72mm	QUADRANT SCALE FREQUENCY METER. 45-55HZ 110VAC	**$ 313.40**
FM72-230V-45-55HZ	72x72mm	QUADRANT SCALE FREQUENCY METER, 45-55HZ 230VAC	**$ 313.40**
FM72-230V-55-65HZ	72x72mm	QUADRANT SCALE FREQUENCY METER, 55-65HZ 230VAC	**$ 313.40**
FM72-400V-45-55HZ	72x72mm	QUADRANT SCALE FREQUENCY METER, 45-55HZ 400VAC	**$ 313.40**
FM96-110V-45-55HZ	96x96mm	QUADRANT SCALE FREQUENCY METER, 45-55HZ 110VAC	**$ 313.40**
FM96-230V-45-55HZ	96x96mm	QUADRANT SCALE FREQUENCY METER, 45-55HZ 230VAC	**$ 313.40**
FM96-230V-55-65HZ	96x96mm	QUADRANT SCALE FREQUENCY METER, 55-65HZ 230VAC	**$ 313.40**
FM96-400V-45-55HZ	96x96mm	QUADRANT SCALE FREQUENCY METER, 45-55HZ 400VAC	**$ 313.40**

RISHABH - 240° Long scale, Frequency meters

FML72-230V-45-55HZ	72x72mm	LONG SCALE FREQUENCY METER, 45-55HZ 230VAC	**$ 388.60**
FML72-400V-45-55HZ	72x72mm	LONG SCALE FREQUENCY METER, 45-55HZ 400VAC	**$ 388.60**
FML96-230V-45-55HZ	96x96mm	LONG SCALE FREQUENCY METER, 45-55HZ 230VAC	**$ 388.60**
FML96-400V-45-55HZ	96x96mm	LONG SCALE FREQUENCY METER, 45-55HZ 400VAC	**$ 388.60**

PROCESS INDICATORS AND PANEL METERS

AUTONICS - Multifunction Panel Meter Series MX4W

Autonics Multifunction Digital Panel Meter Series MX4W - Universal power supply
MX4W DIN W96 x H48 12 segment, LCD Display Multi Panel meter The MX4W series of panel meters feature programmable pre-scale, offset and scaling functions. Models are available for AC or DC, current or voltage. AC models can be programmed to measure frequency from 0.1Hz to 1200Hz. NPN or PNP output versions available. RMS or AVG values for AC measurement are selectable.

MX4W-A-F1	DIGITAL METER 96x48mm 0-5A AC/DC INPUT, 24-240VAC/DC NPN OUTPUT	$	374.10
MX4W-A-F2	DIGITAL METER 96x48mm 0-5A AC/DC INPUT, 24-240VAC/DC PNP OUTPUT	$	374.10
MX4W-A-FN	DIGITAL METER 96x48mm 0-5A AC/DC INPUT, 24-240VAC/DC NO O/P	$	193.70
MX4W-V-F1	DIGITAL METER 96x48mm 0-500V AC/DC INPUT, 24-240VAC/DC NPN OUTPUT	$	374.10
MX4W-V-F2	DIGITAL METER 96x48mm 0-500V AC/DC INPUT, 24-240VAC/DC PNP OUTPUT	$	374.10
MX4W-V-FN	DIGITAL METER 96x48mm 0-500V AC/DC INPUT, 24-240VAC/DC NO O/P	$	193.70

AUTONICS - Multifunction Digital Panel Meter Series MT4W

MT4W DIN W96 x H48 Multifunction digital panel meters The MT4W series of panel meters feature programmable pre-scale, offset and scaling functions. Models are available for AC or DC, current or voltage. AC models MT4W-AA-4N & MT4W-AV-4N can be programmed to measure frequency from 0.1Hz to 9999Hz.

MT4W-AA-41	AC AMMETER, 50mA-5A, 96x48mm,100-240Vac AUX, RELAY OUTPUT	$	390.00
MT4W-AA-4N	AC AMMETER, 50mA-5A, 96x48mm,100-240Vac AUX	$	337.10
MT4W-AV-40	AC VOLTMETER, 96x48mm, 100-240Vac AUX, RELAY+ 4-20mA OUTPUT	$	435.40
MT4W-AV-41	AC VOLTMETER, 96x48mm, INPUT 1V-500V, 100-240V, RELAY OUT	$	474.60
MT4W-AV-4N	AC VOLTMETER, INPUT 1-500V, 100-240Vac AUX	$	337.10
MT4W-VAC	AC VOLTMETER, 96x48mm, INPUT 1V -500V	$	396.60
MT4W-DA-1N	DC AMMETER, 96x48mm, INPUT 2mA-5A, 12-24Vdc AUX	$	337.10
MT4W-DA-40	DC AMETER ,96x48mm, INPUT 2mA-5A, 100-240V AUX, 3xRELAYS & ANALOG OUT	$	462.70
MT4W-DA-4N	DC AMMETER, 96x48mm, 2mA-5A, 100-240Vac AUX	$	277.60
MT4W-DCA	DC AMMETER, 96x48mm, INPUT 2mA-5A	$	337.10
MT4W-DV-1N	DC VOLTMETER, 96x48mm, INPUT 50mV-500V,12-24Vdc AUX	$	337.10
MT4W-DV-40	DC VOLTMETER, 96x48mm, INPUT 50mV-500V, 100-240V AUX RELAY & ANALOG OUT	$	462.70
MT4W-DV-4N	DC VOLTMETER, MULTIRANGE, 96x48mm, 50mV-500V, 100-240Vac AUX	$	277.60
MT4W-VDC	DC VOLTMETER, 96x48mm, INPUT 50mV-500V	$	337.10
MT4W-MVDC	DC MILLIVOLTMETER, 96x48mm, 50mV-999mV	$	337.10
MT4W-FREQ	DIGITAL FREQUENCY METER, 96x48mm, 0.1Hz-999Hz, 230VAC AUX	$	396.60

AUTONICS - Multifunction Digital Panel Meter Series MT4N

MT4N DIN W48 x H24 multifunction digital panel meters The MT4N series of panel meters feature programmable pre-scale, offset and scaling functions. Models are available for AC or DC, current or voltage. AC models MT4N-AA-EN & MT4N-AV-EN can be programmed to measure frequency from 0.1Hz to 9999Hz.

MT4N-AAC	AC AMMETER, 48x24mm, 12-24VAC/DC AUX	$	396.60
MT4N-AA-EN	AC AMMETER, 48x24mm, INPUT 50mA-5A,12/24VAC/DC AUX	$	337.10
MT4N-AV-E3	AC VOLTMETER,.48x24mm, MULTIRANGE, 1x RELAY OUT + 4-20mA RETRANSMISSION	$	426.80
MT4N-AV-EN	AC VOLTMETER, 48x24mm, INPUT 2.5V- 250V,12-24VAC/DC AUX	$	337.10
MT4N-VAC	AC VOLTMETER, 48x24mm, 2.5V-250V,12-24VAC/DC AUX	$	396.60
MT4N-ADC	DC AMMETER, 48x24mm, 12-24VAC/DC AUX	$	351.60
MT4N-DA-EN	DC AMMETER, 48x24mm, INPUT 2mA-500mA,12-24VAC/DC AUX	$	292.20
MT4N-DV-EN	DC VOLTMETER 48x24mm, INPUT 50mV-50V,12-24VAC/DC AUX	$	292.20
MT4N-VDC	DC VOLTMETER, 48x24mm, 50mV-50V,12-24VAC/DC AUX	$	351.60
MT4N-MVDC	DC MILLIVOLTMETER, 48x24mm, 12-24VAC/DC AUX	$	351.60

AUTONICS - Loop Powered (4 – 20mA) Digital Panel Meter M4YS

M4YS DIN W72 x H36 4-20mA loop powered panel meter The M4YS panel meter features programmable offset and pre-scale functions. It is powered from the 4-20mA loop current it monitors.

M4YS-NA	DIGITAL METER 72x36mm, LOOP POWERED 4-20mA INPUT	$	223.50
M4YS-NA-CALIB	DIGITAL METER 72x36mm, LOOP POWERED 4-20mA INPUT - CALIBRATED TO SPEC	$	282.90

AKYTEC - Digital Panel Meters

Compact microprocessor-controlled display units for monitoring industrial processes, including models that utilise a 22mm hole mounting to fit on almost any panel or switchboard even a push-button control station. Input options include 0-10V 4-20mA, and RS-485/Modbus. IP65 protection on front panel.

AKY-ITP11	PANEL MOUNT DIGITAL RED LED DISPLAY 22.5mm, UNIVERSAL 4-20mA INPUT	$	322.92
AKY-ITP11-G	PANEL MOUNT DIGITAL GREEN LED DISPLAY 22.5mm, UNIVERSAL 4-20mA INPUT	$	322.92
AKY-ITP14	PANEL MOUNT DIGITAL RED LED DISPLAY 22.5mm, UNIVERSAL 0-10VDC, 4-20mA INPUT	$	372.60
AKY-ITP14-G	PANEL MOUNT DIGITAL GREEN LED DISPLAY 22.5mm, UNIVERSAL 0-10VDC, 4-20mA INPUT	$	372.60
AKY-ITP15	PANEL MOUNT BARGRAPH DISPLAY, RED/GREEN LED, 22.5mm, 0-10VDC, 4-20mA INPUT	$	447.12
AKY-ITP16	PANEL MOUNT DIGITAL RED LED, TEMPERATURE DISPLAY- CONTROL 22.5mm, PT100, TYPE K	$	422.28
AKY-SM12	PANEL MOUNT DIGITAL RED LED DISPLAY 22.5mm, RS485 INPUT	$	222.10

ORBIT MERRET - Large Digital Displays

OMD 202 series of large displays options of 4 or 6 digits, 57, 100 or 125mm high and red, green and orange colour options. There are options when ordering including but not limited to power supply, inputs, outputs, communication ports/ protocols.

OMD 202RS-0B000131-0	DIGITAL DISPLAY, 6 DIGITS 57mm, 10-30VDC SUPPLY MODBUS/RTU INTERFACE	POA
OMD 202UNI-000000131	DIGITAL DISPLAY, 6 DIGITS 57mm,10-30VAC/DC, ANALOG INPUT	POA
OMD 202UNI-000000231	DIGITAL DISPLAY, 6 DIGITS 100mm ,10-30VAC/DC, ANALOG INPUT	POA
OMD-202RS-0B00021100	DIGITAL DISPLAY, 4 DIGITS 100mm, 10-30VDC SUPPLY MODBUS/RTU INTERFACE	POA
OMD-202RS-1A000211	DIGITAL DISPLAY, 4 DIGITS 100mm, 80-250VAC/DC RS232/485 ASCII	POA
OMD-202RS-1D000313-0	DIGITAL DISPLAY, 4 DIGITS 125mm, RED/GREEN/AMBER, 80-250VAC/DC, PROFINET	POA
OMD-202UNI-000000313	DIGITAL DISPLAY, 4 DIGITS125mm, RED/GREEN/AMBER,10-30VAC/DC	POA
OMD-202UNI-101231311	DIGITAL DISPLAY, 100mm, 80-250VAC/DC OUTPUTS MODBUS, RELAY, ANALOG	POA
OMD-202UQC-0A0001231	DIGITAL DISPLAY, 6 RED DIGITS 100mm, COUNTER,10-30VAC/DC, NPN/PNP	POA
OMD-202UQC-0W0001231	DIGITAL DISPLAY, 100mm COUNTER,10-30VAC/DC, 6 DIGITS NPN/PNP	POA
OMD-202UQC-1A1001211	DIGITAL DISPLAY, 4 RED DIGITS,100mm, COUNTER, 80-250VAC/DC, NPN/PNP	POA

ACCUENERGY Power Quality Meters

Power quality meters are devices used to monitor and analyze the electrical parameters of a power system, such as voltage, current, frequency, and waveform distortions. They are crucial in critical infrastructure to ensure the stability and reliability of electrical systems by detecting and identifying issues like voltage sags, swells, harmonics, and transients.

Acuvim 3 Series

The Acuvim 3 Series is a certified IEC 61000-4-30 power quality meter by NMi with revenue grade energy metering capabilities. It offers PQ analysis by capturing waveform, harmonics, frequency, transients, voltage, and current at high precision. Measurements are sampled at high speed data rates, a 32 GB data log storage capacity, event trigger detection and EN50160/IEEE519 compliant reports.

ACUVIM-3-D-5A-P1	POWER QUALITY METER WITH BUILT-IN DISPLAY, 5A/1A INPUT, 100-415VAC AUX SUPPLY	$	9,075.00
ACUVIM-3-D-MV-P1	POWER QUALITY METER WITH BUILT-IN DISPLAY, 333mV/RCT INPUT, 100-415VAC AUX SUPPL	$	9,075.00

ACCUENERGY Digital Power Meters

Acuvim IIW with IEC 6100-4-30 Class S for PQ event, waveform, aggregation data : ITIC Curve for recording voltage sags and voltage swells with its duration : Revenue grade ANSI C12.20 Class 0.1 & IEC 62053-22 Class 0.1s : Built-in Modbus-RTU and BACnet-MS/TP via RS485 port : Expand with dual RJ45, WiFi, Fiber optic, Profibus and more interfaces : Add up to three expansion communications & I/O modules : MV90 compatibility : Datalogging with up to 1-second interval, max/min/ average, and instantaneous reading* : COMTRADE Waveform file format : Threshold alarms can be set to notify users of potential issues : Time-of-Use (TOU) capability allows time-based or tier-based rate structure* : Support Modbus, BACnet, IEC 61850 2nd Edition, EtherNet/IP, IPv6, RSTP, SNMP, HTTPS, sFTP, MQTT & other protocols : Cloud metering data storage & analytics

EN55011

ACUVIM 96x96mm Powermeters for measurement and control of AC systems

ACUVIM-CL-D-5A-P1V4	POWERMETER, 96x96mm, 5A/1A CT, 100-415VAC/100-300VDC AUX RS485	$	915.00
ACUVIM-CL-D-MV-P1V4	POWERMETER, 96x96mm, RCT/333mV CT, 100-415VAC/100-300VDC AUX RS485	$	915.00
ACUVIM-EL-D-1A-P2	POWERMETER, 96x96mm, 1A CT, 20-60VDC AUX RS485	$	1,168.10
ACUVIM-EL-D-5A-P1V3	POWERMETER, 96x96mm, 5A CT, 20-60VDC AUX RS485	$	1,168.10
ACUVIM-IIBN-D-333-P1	POWERMETER, 96x96mm, 333mV CT,100-415VAC/100-300VDC AUX, BACNET IP	$	1,277.80
ACUVIM-IIBN-D-5A-P1	POWERMETER, 96x96mm,1A/5A CT,100-415VAC/100-300VDC AUX, BACNET IP	$	1,277.80
ACUVIM-IIR-D-5A-P1V3	POWERMETER, 96x96mm,1A/5A CT, 100-415VAC/100-300VDC AUX, RS485 + DATALOGGING	$	1,980.10
ACUVIM-IIR-D-5A-P2V3	POWERMETER, 96x96mm,1A/5A CT, 20-60VDC AUX, RS485 + DATALOGGING	$	2,122.50
ACUVIM-IIR-D-MV-P1V3	POWERMETER, 96x96mm, 333Mv OR RCT INPUT,100-415VAC/100-300VDC AUX, RS485	$	1,980.10
ACUVIM-IIR-M-5A-P2V3	POWERMETER, DIN-RAIL, NO DISPLAY 1A/5A CT, 20-60VDC AUX, RS485 + DATALOGGING	$	1,725.00
ACUVIM-IIR-M-MV-P1V3	POWERMETER, DIN-RAIL, NO DISPLAY Mv OR RCT IN,100-415VAC/100-300VDC AUX, RS485	$	1,610.00
ACUVIM-IIW-D-5A-P1V3	POWERMETER 96x96mm,1A/5A CT,STD AC/DC AUX,RS485+DATALOGGING+WAVEFORM	$	3,404.60
ACUVIM-IIW-D-5A-P2TE	POWERMETER 96x96mm, TESLA SPECIFICATION,RS485+DATALOGGING+WAVEFORM	$	6,350.00
ACUVIM-IIW-D-5A-P2V3	POWERMETER 96x96mm,1A/5A CT,20-60 DC AUX,RS485+DATALOGGER+WAVEFORM	$	3,404.60
ACUVIM-IIW-D-MV-P1V3	POWERMETER 96x96mm, RCT CT,STD AC/DC AUX,RS485+DATALOGGING+WAVEFORM	$	3,404.60
ACUVIM-IIW-D-RCT-P1	POWERMETER 96x96mm, RCT CT,STD AC/DC AUX,RS485+DATALOGGING+WAVEFORM	$	3,404.60
ACUVIM-IIW-M-MV-P1V3	POWERMETER DIN MOUNT, 333mV/RCT INPUT,STD AC/DC AUX,RS485+DATALOGGING+WAV	$	3,262.10
ACUVIM-IIW-M-RCT-P1	POWERMETER DIN MOUNT, RCT,STD AC/DC AUX,RS485+DATALOGGING+WAVEFORM	$	3,262.10

ACUVIM Plug-in accessory modules

AXM-BIP	ACUVIM II MODULE - BACNET-IP	$	854.70
AXM-BMS	ACUVIM II MODULE - BACNET MS/TP	$	854.70
AXM-IO1	ACUVIM II MODULE - 6DI, 2RO, DI POWER SUPPLY	$	256.40
AXM-IO2-1A	ACUVIM II MODULE - 4DI, 2DO, 2AO	$	273.50
AXM-IO2-2A	ACUVIM II MODULE - 4DI, 2DO, 2AO	$	273.50
AXM-IO3-1A	ACUVIM II MODULE - 4DI ,2RO, 2AI	$	307.70
AXM-NET	ACUVIM II MODULE - NETWORK	$	397.80
AXM-NET-P	ACUVIM II MODULE - NET + PUSH	$	623.70
AXM-WEB2	ACUVIM II MODULE - DUAL PORT ETHERNET WITH WEB INTERFACE	$	837.60
AXM-WEB-PUSH	ACUVIM II MODULE - ETHERNET MODULE, WEB INTERFACE + MODBUSTCP/IP	$	666.70
ACUVIM-DL/EL-X1	DIGITAL MODULE X1 FOR ACUVIM EL 4DI+2DO	$	222.20
ACUVIM-II-DIN	DIN RAIL MOUNTING CLIP FOR ACUVIM II METER	$	51.30
ACU-REM-DS2	REMOTE DISPLAY FOR ACUVIM II TRANSDUCER	$	618.20
ACU-REM-DS2-6FT	CABLE (2M) FOR REM-DS2 REMOTE DISPLAY	$	57.00

Acuenergy Rogowski Coils CTs

ACU-RCT16-1000A-IP68	ROGOWSKI COIL, RANGE 5-1200A, OUTPUT 100mV @1000A,106mm WINDOW, IP68	$	359.00
ACU-RCT24-2500A	ROGOWSKI COIL, RANGE 12.5-3000A, OUTPUT 40mV @1000A,178mm WINDOW	$	446.70

ACUENERGY - Digital Power Meters

The AcuRev 1310 DIN Rail meter is engineered for high performance and easy integration into industrial or commercial facilities. Designed for cost-effective power and energy monitoring, it features a built-in LCD to simplify setup and provide quick access to metered data. Modbus-RTU and pulse output communications allow for seamless integration with data acquisition systems.

APPLICATIONS + Energy Management Systems + Large Commercial Complexes + Industrial Environments + Hospitality & Hotels + Multi-Tenant Commercial or Residential + Schools & Universities + Smart Distribution Cabinets

ACUREV1311-5A-X0	POWERMETER, DIN RAIL,3PH 5A CT INPUT, BASE MODEL, AUX 100~415Vac/100~300Vdc	$	413.10
ACUREV1311-RCT-XO	POWERMETER, DIN RAIL,3PH RCT INPUT, BASE MODEL, AUX 100~415Vac/100~300Vdc	$	413.10
ACUREV1312-333MV-X1	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 333MV CT INPUT, RS485 + RELAY	$	612.50
ACUREV1312-5A-X0	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 5A CT INPUT, RS485	$	555.60
ACUREV1312-5A-X1	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 5A CT INPUT, RS485	$	555.60
ACUREV1312-RCT-XO	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, RCT INPUT, RS485	$	555.60
ACUREV1313-333MV-X1	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 333MV CT INPUT, RS485 + RELAY	$	755.00
ACUREV1313-5A-X0	POWERMETER BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 5A CT INPUT, RS485 COMM	$	698.00
ACUREV1313-RCT-X1	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, RCT INPUT, RS485 COMMS + RELAY	$	755.00
ACUREV1313-RCT-XO	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, RCT INPUT, RS485 COMMS	$	698.00

Acurev Multi-circuit Digital Powermeters

The AcuRev 2100 and 4100 Series are the next generation of multi-circuit submeter designed to measure multiple circuits using SnapOn CT technology for quick and easy installations in high-density, multi-point applications. Ideal for multi-tenant billing applications, the AcuRev 2100 is engineered for revenue-grade monitoring of real-time energy consumption and high-precision power quality analysis in commercial, industrial, and residential facilities. Measurement Canada certification safeguards against unwanted tampering while support for a wide range of communication protocols promotes easy integration with any energy management system.

ACUREV2110-MV-485	SUBMETER 18 CIRCUIT WITH RCT/333mV SNAP ON CT INPUTS, SERIAL RS485	$	2,975.00
ACUREV2110-MV-WEB2	SUBMETER 18 CIRCUIT WITH RCT/333mV SNAP ON CT INPUTS, ETHERNET, WIFI, RS485	$	3,478.88
ACUREV4100-MV	SUBMETER 24 CIRCUIT WITH RCT/333mV CT INPUTS, DUAL ETHERNET/RSTP/RS485	$	3,562.00
ACUREV4100-MV-WEB2	SUBMETER 24 CIRCUIT WITH RCT/333mV CT INPUTS, ETHERNET GATEWAY UNIT	$	4,500.00
ACX-41-WEB2	ACUREV 4100 MODULE - DUAL PORT ETHERNET WITH WEB INTERFACE	$	937.50
ACX-41-WEB2-D	ACUREV 4100 MODULE - DUAL PORT ETHERNET WITH WEB INTERFACE - NO WiFi	$	875.00

AcuDC 300 Series

Revenue-grade metering and billing for EV fast charging stations, the AcuDC 300 EV charging meter has a rated accuracy of 0.2% for ±650A and 0.1% for 60-1000V. The DC meter is MID and UL Recognized certified and is compliant with the IEC 62053-41:2021 Class 0.5, EN50470-4 Class C standards, and OCMF format, making it an ideal choice for billing applications where revenue-grade accuracy is required. AcuDC 300 also features cable loss compensation, built-in data logging with non-volatile memory, as well as electronic metrology seal, ensuring precise measurement and secure data for EV charging facilities.

ACUDC301-1000V650AP2	EV CHARGING METER 1000V, 650A IN-BUILT SHUNT, 9-36VDC AUX SUPPLY	$	1,020.00

AcuDC 260 Series

The AcuDC-261 is a dual port EV charging meter designed for EV fast charging applications, supporting one direct DC voltage input and two isolated DC current inputs and delivering voltage measurement with 0.1% accuracy from 60-1000V and 0.2% current accuracy via shunt sensors per channel. The series is MID and Eichreicht compliant for EU and German markets, conforms to IEC 62053-41 Class 0.5 and EN 50470-4 Class C standards, and supports OCMF format, electronic metrology seal, cable loss compensation, and EichLog, providing tamper-evident event logging and revenue-grade accuracy for DC billing systems.

ACUDC261-1000V400AP2	EV CHARGING METER 1000V, 400A EXTERNAL 100mV SHUNT, 12-48VDC AUX SUPPLY	$	1,449.00
ACUDC261-1000V600AP2	EV CHARGING METER 1000V,600A EXTERNAL 100mV SHUNT, 12-48VDC AUX SUPPLY	$	1,449.00
ACU-AS-400A	DC SHUNT FOR ACU261 METERS, 400A-100mV	$	225.00
ACU-AS-600A	DC SHUNT FOR ACU261 METERS, 600A-100mV	$	225.00

Certified to UL Recognized and IEC 62053-41 Class 0.5 standards, the AcuDC-262 is a multi-function DC power and energy meter designed for precise measurement across a wide range of DC power systems. The meter supports one DC voltage input and two independent DC current inputs, delivering direct-connected voltage measurement with 0.1% accuracy from 60-1000V and 0.2% current accuracy per channel via shunt sensors, allowing accurate multi-circuit DC monitoring for applications such as data center PDUs, power distribution systems, and battery energy storage systems.

ACUDC262-1000V-A1-P2	DC POWER METER 1000V, 100mV SHUNT INPUT, 12-48VDC AUX SUPPLY	$	1,225.00
ACUDC262-1000V-A2-P2	DC POWER METER 1000V, CURRENT INPUT VIA 4-20mA SENSOR, 12-48VDC AUX SUPPLY	$	1,225.00
ACUDC262-1000V-A3-P2	DC POWER METER 1000V, CURRENT INPUT VIA 5V SENSOR, 12-48VDC AUX SUPPLY	$	1,225.00

Due to volatile international material costs, prices may change at short notice.
check before ordering

Acuenergy Hall Effect CT for DC Measurement

ACU-HAK21-200-A3-B	HALL EFFECT CT, 200A, BI-DIRECTIONAL 0-5VDC OUTPUT, +-15vDC AUX SUPPLY	**$**	**155.60**

Other ratios and sizes available on request

Digital Multimeters & Kilowatt-Hour Meters

These state-of-the-art panel meters are designed for accurate measurement of the AC RMS voltage, AC RMS current, frequency, with user-selectable CT ratios from 5A to 5000A, accuracy class to 0.5, and easy to read displays

DM-0101-72	DIGITAL MULTIMETER 72x72mm, 1 PHASE, 170-275VAC, SINGLE LINE DISPLAY	**$**	**175.00**
DM-0301	DIGITAL MULTIMETER, 72x72mm, 1 PHASE,170-275VAC, 3 LINE DISPLAY	**$**	**244.60**
DA-0303	DIGITAL AMMETER 72x72mm, 3 PHASE, 5A CT, 170-275VAC AUX	**$**	**244.00**
DKM-401	DIGITAL MULTIMETER, 96x96mm, 3 PHASE, AMPS-VOLTS-HZ, 5A CT, 400VAC	**$**	**197.70**
DKM-405	DIGITAL MULTIMETER, 96x96mm, 3 PHASE,AMPS-VOLTS-HZ, MDI, 5A CT, 400VAC,	**$**	**215.00**

CEL - DDS-353-H2-M Single Phase Multifunction Powermeter Accuracy CL1

Direct terminal connected DIN rail mount, blue backlit LCD display, measuring active and reactive energy, displays kW/h, kvarh, V,A, kW, kVar, kVA, PF, with Modbus-RTU RS485 communications, single unit size (18mm wide), auto or manual scrolling of display. Also supports import/export kW/h

DDS-353-H2-M	MULTIFUNCTION POWERMETER + kWHr METER, 1PH 100A DIRECT CONNECT, RS485 OUTPUT	**$**	**327.30**

ACUENERGY - Digital Power Meter communications - Wireless Transceivers and Data Acquisition

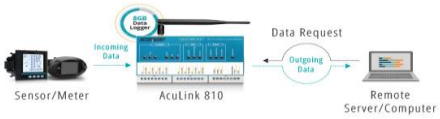
AcuMesh wireless RS485 transceivers are protocol independent, allowing the enabling of wireless communication by simple connection of any Master or Slave device at a serial baud rate range of 9600-230400. AcuMesh units are provided with whip aerial and power supply, and offer an indoor/ urban range of up to 300m and outdoor line-of-sight range up to 6.5km

ACUMESH-K	ACUMESH TRANCEIVER SURFACE MOUNT, 915-928MHz, WHIP ANTENNA, DESKTOP POWERSUPPLY	**$**	**977.20**
ACUMESH-L-900-ANZ	ACUMESH TRANCEIVER DIN RAIL, 915-928MHz, WHIP ANTENNA, DIN RAIL POWER SUPPLY	**$**	**977.20**

ACUENERGY - Wireless Data Gateway

A data acquisition (DAQ) system serves as a central hub between interconnected devices designed to aggregate critical facility data such as power consumption or temperature readings. Using a variety of industrial protocols, it can poll downstream energy meters at regular intervals and post the data to the Cloud, or web servers for remote access to realtime energy & facility management

ACULINK810-900	DATA AQUISITION GATEWAY WITH INTEGRATION, ACU-CLOUD, ACUMESH 900MHZ	**$**	**3,846.20**



CEL - Kilowatt-Hour Meters (Energy Meters)

LP-KWM 1 Ph and 3 Ph 3 or 4 Wire Balanced or Unbal Load Accuracy Class1 (IEC61036)

Single and three phase energy meters, with standard current transformer 1A and 5A inputs, selectable ratios to 4000/5A on the device. 7-digit LCD display of kW/hrs and optional NPN or N/O relay contact output, M version has a galvanically isolated RS485 bus signal using MODBUS® RTU protocol. Input voltages 110V, 230Vac

Model LP-KWC kilowatt hour meters NPN open collector or relay output (specify)

LP1KW1C	ENERGY METER (KWHr), LCD DISPLAY,1 PHASE, 5A CT	**$**	**330.50**
LP1KW3C	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 3W BALANCED LOAD, 5A CT	**$**	**363.60**
LP1KW4C	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W BALANCED LOAD, 5A CT	**$**	**363.60**
LP2KW3C	ENERGY METER (KWHr),LCD, 3 PHASE 3WIRE UNBALANCED LOAD, 5A CT	**$**	**363.60**
LP3KW4C	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W UNBALANCED LOAD, 5A CT	**$**	**363.60**

Model LP-KWM kilowatt hour meters with MODBUS RTU output

LP1KW1M	ENERGY METER (KWHr), LCD DISPLAY, 1 PHASE, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP1KW3M	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 3W BALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP1KW4M	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W BALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP2KW2M	ENERGY METER (KWHr), LCD, 2 PHASE 2 WIRE UNBALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**672.90**
LP2KW3M	ENERGY METER (KWHr), LCD, 3 PHASE 3WIRE UNBALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP3KW4M	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W UNBALANCED LOAD, 5A CT,RS485 OUTPUT	**$**	**396.60**

CEL- Kilowatt-Hour Meters (Energy Meters)

LP-KW 1 Ph and 3 Ph 3 or 4 Wire Balanced or Unbal Load Accuracy Class1 (IEC61036) Single and three phase energy meters, with standard current transformer 1A and 5A inputs, selectable ratios to 4000/5A on the device. 7-digit LCD display of kW/hrs and optional NPN or N/O relay contact output, M version has a galvanically isolated RS485 bus signal using MODBUS® RTU protocol. Input voltages 110V, 230Vac

Model LP-KWC kilowatt hour meters NPN open collector or relay output (specify)

LP1KW1C	ENERGY METER (KWHr), LCD DISPLAY,1 PHASE, 5A CT	**$**	**330.50**
LP1KW3C	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 3W BALANCED LOAD, 5A CT	**$**	**363.60**
LP1KW4C	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W BALANCED LOAD, 5A CT	**$**	**363.60**
LP2KW3C	ENERGY METER (KWHr),LCD, 3 PHASE 3WIRE UNBALANCED LOAD, 5A CT	**$**	**363.60**
LP3KW4C	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W UNBALANCED LOAD, 5A CT	**$**	**363.60**

Model LP-KWM kilowatt hour meters with MODBUS RTU output

LP1KW1M	ENERGY METER (KWHr), LCD DISPLAY, 1 PHASE, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP1KW3M	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 3W BALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP1KW4M	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W BALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP2KW2M	ENERGY METER (KWHr), LCD, 2 PHASE 2 WIRE UNBALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**672.90**
LP2KW3M	ENERGY METER (KWHr), LCD, 3 PHASE 3WIRE UNBALANCED LOAD, 5A CT, RS485 OUTPUT	**$**	**396.60**
LP3KW4M	ENERGY METER (KWHr), LCD DISPLAY, 3Ph 4W UNBALANCED LOAD, 5A CT,RS485 OUTPUT	**$**	**396.60**

DDS-1Y Single Phase Direct Connect KwHr meters Accuracy Class1 (IEC61036), pulse and Modbus output

DDS-1Y-18L-40A	ENERGY METER (kWhr), LCD DISPLAY,1PH 40A DIRECT READ, PULSE OUTPUT	**$**	**158.60**
DDS-1Y-36L-80A-M	ENERGY METER (kWhr), LCD DISPLAY,1PH 80A DIRECT READ, RS485 MODBUS OUTPUT	**$**	**185.10**
DDS-353-H2-M	MULTIFUNCTION POWERMETER + kWHr METER, 1PH 100A DIRECT CONNECT, RS485 OUTPUT	**$**	**327.30**

DTS-353 Three Phase 100A Direct Connect KwHr Meters Accuracy Class1 (IEC61036), pulse and Modbus output

DTS-353-100A-M	ENERGY METER (kWHr), 3PH 100A DIRECT READ RS485 MODBUS OUTPUT	**$**	**363.60**

AcuRev DIN rail mounted Power and Energy Meters

The AcuRev 1310 DIN Rail meter is engineered for high performance and easy integration into industrial or commercial facilities. Designed for cost-effective power and energy monitoring, it features a built-in LCD to simplify setup and provide quick access to metered data. Modbus-RTU and pulse output communications allow for seamless integration with data acquisition systems.

ACUREV1311-5A-X0	POWERMETER, DIN RAIL,3PH 5A CT INPUT, BASE MODEL, AUX 100~415Vac/100~300Vdc	**$**	**413.10**
ACUREV1311-RCT-XO	POWERMETER, DIN RAIL,3PH RCT INPUT, BASE MODEL, AUX 100~415Vac/100~300Vdc	**$**	**413.10**
ACUREV1312-333MV-X1	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 333MV CT INPUT, RS485 + RELAY	**$**	**612.50**
ACUREV1312-5A-X0	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 5A CT INPUT, RS485	**$**	**555.60**
ACUREV1312-5A-X1	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 5A CT INPUT, RS485	**$**	**555.60**
ACUREV1312-RCT-XO	POWERMETER, UNIDIRECTIONAL ENERGY, DIN RAIL, 3PH, RCT INPUT, RS485	**$**	**555.60**
ACUREV1313-333MV-X1	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 333MV CT INPUT, RS485 + RELAY	**$**	**755.00**
ACUREV1313-5A-X0	POWERMETER BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, 5A CT INPUT, RS485 COMM	**$**	**698.00**
ACUREV1313-RCT-X1	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, RCT INPUT, RS485 COMMS + RELAY	**$**	**755.00**
ACUREV1313-RCT-XO	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH, RCT INPUT, RS485 COMMS	**$**	**698.00**
ACUREV1314-333-X1	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH+ N, 333mV CT INPUT, RS485 + RELA	**$**	**945.00**
ACUREV1314-5A-X1	POWERMETER, BIDIRECTIONAL ENERGY, DIN RAIL, 3PH+ N, 5A CT INPUT, RS485 + RELAY	**$**	**945.00**

Crompton Instruments Direct Connect kilowatt hour Meters Accuracy Class1B (kWh)

45A and 100A Direct connected, DIN rail mount, LCD display, 1 and 3-phase kWHr meters, import/export kWHr, with 2 pulsed outputs and MODBUS RTU protocol or single pulsed output

DRS-45-1P-MOD-01	ENERGY + POWER METER 45A DIRECT CONNECT IMP/EXP MODBUS + PULSE OUTPUT	**$**	**190.60**
DRS-100-1P-MOD-01	ENERGY+ POWER METER 100A 1 PH DIRECT CONNECT IMP/EXP MODBUS + 2 PULSE OUTPUTS	**$**	**207.90**
DRR-100-3P-MOD-01	ENERGY + POWER METER 100A 3PH DIRECT CONNECT IMP/EXPORT MODBUS	**$**	**537.10**

SHELLY ENERGY METERING

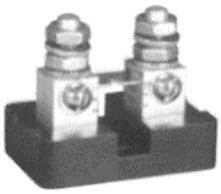
SHELLY-1-GEN3	WI-FI RELAY/SWITCH 1 CHANNEL16AMP 110-230VAC 12/24-48VDC	**$**	**46.50**
SHELLY-1-GEN4	WI-FI RELAY/SWITCH 1 CHANNEL16AMP 110-230VAC GEN4	**$**	**69.00**
SHELLY-1-MINI-G3	WI-FI MINI RELAY/SWITCH 1 CHANNEL 8AMP 110-230VAC GEN3	**$**	**45.00**
SHELLY-1-MINI-G4	WI-FI RELAY/SWITCH 1 CHANNEL 8AMP 110-230VAC GEN4	**$**	**65.00**
SHELLY-1PM-G3	WI-FI RELAY/SWITCH 1 CHANNEL16AMP 110-230VAC 12/24-48VDC WITH POWER METERING	**$**	**49.00**
SHELLY-1PM-G4	WI-FI RELAY/SWITCH 1-CH 16AMP 110-230VAC WITH POWER METERING GEN4	**$**	**76.00**
SHELLY-1PM-MINI-G3	WI-FI OPERATED SMART SWITCH 8A, WITH POWER METERING	**$**	**49.00**
SHELLY-1PM-MINI-G4	WI-FI OPERATED SMART SWITCH 8A, WITH POWER METERING GEN4	**$**	**74.00**
SHELLY-2PM-GEN3	WI-FI SMART RELAY, 2-CHANNEL 16AMP TOTAL, W/POWER METERING	**$**	**75.00**
SHELLY-2PM-GEN4	WI-FI SMART RELAY, 2-CH 16AMP TOTAL, W/POWER METERING GEN4	**$**	**106.00**
SHELLY-3EM-63T-G3	SMART 3PH ENERGY METER WI-FI, INTEGRATED 63A CT'S	**$**	**436.56**
SHELLY-BLU-BUTTON1W	SHELLY BLU BUTTON 1 WHITE	**$**	**48.60**
SHELLY-BYPASS	BY-PASS MODULE FOR SHELLY RELAYS	**$**	**13.60**
SHELLY-CLAMP-120	CLAMP CT ONLY 120AMP FOR EM & 3EM ENERGY METER	**$**	**64.00**
SHELLY-CLAMP-50	CLAMP CT ONLY 50AMP FOR EM & 3EM ENERGY METER	**$**	**48.00**
SHELLY-CLAMP-EM50-G3	CLAMP CT ONLY 50AMP FOR EM & 3EM ENERGY METER	**$**	**48.00**
SHELLY-CLAMP-PRO120	CLAMP CT ONLY 120AMP FOR PRO-SERIES ENERGY METER	**$**	**88.80**
SHELLY-DIMMER-G3	WI-FI RELAY DIMMER, 200W,110-230VAC	**$**	**110.00**
SHELLY-ECOWITT-WS90	SHELLY BLU SMART WEATHER STATION	**$**	**753.40**
SHELLY-EM-120A	WI-FI ENERGY METER, 1-PH C/W 1x120A CT & CONTACTOR CONTROL 110-230VAC	**$**	**204.60**
SHELLY-EM-50-2	WI-FI ENERGY METER, 1-PH, C/W 2x50A CT & CONTACTOR CONTROL 110-230VAC	**$**	**238.80**
SHELLY-EM-50A	WI-FI ENERGY METER , 1-PH, C/W 1x50A CT & CONTACTOR CONTROL 110-230VAC	**$**	**187.80**
SHELLY-EM50-G3	WI-FI ENERGY METER, 1-PH, C/W 1x50A CT & CONTACTOR CONTROL 110-230VAC	**$**	**198.00**
SHELLY-EM-MINI-G4	WI-FI ENERGY METER 16AMP 110-240VAC GEN4	**$**	**68.00**
SHELLY-I4-G3	WI-FI OPERATED 4-INPUT CONTROLLER, 110-240VAC	**$**	**54.40**
SHELLY-LORA-AO	ADD-ON ISOLATED SENSOR INTERFACE FOR SHELLY PLUS RELAYS	**$**	**114.20**
SHELLY-OMG25	SHELLY WI-FI SMART OGEMRAY RELAY 25AMP, 6000W	**$**	**89.00**
SHELLY-PLUS-ADDON	ADD-ON ISOLATED SENSOR INTERFACE FOR SHELLY PLUS RELAYS	**$**	**59.00**
SHELLY-PLUS-HT-G3	WI-FI TEMPURATURE & HUMIDITY SENSOR GEN3 WHITE	**$**	**139.30**
SHELLY-PM-MINI-G3	WI-FI ENERGY METER 16AMP 110-240VAC	**$**	**77.80**
SHELLY-PRO-1	Wi-Fi, LAN, PRO SERIES, 16A, 1-CH DIN RAIL RELAY, 110-240VAC	**$**	**194.00**
SHELLY-PRO-1PM	Wi-Fi, LAN, PRO SERIES, 1-CH DIN RAIL, 16A W/POWER MONITORING	**$**	**248.00**
SHELLY-PRO-2	WI-FI LAN OPERATED 2-CHANNEL DIN RAIL RELAY 16AMP, 25AMAX, 110-240VAC	**$**	**240.00**
SHELLY-PRO-2PM	Wi-Fi, LAN, PRO SERIES, 2-CH DIN RAIL, 16A W/POWER MONITORING	**$**	**300.00**
SHELLY-PRO-3	WI-FI LAN OPERATED 3-CHANNEL DIN RAIL RELAY 16AMP, 25AMAX, 110-240VAC	**$**	**294.00**
SHELLY-PRO-3EM	SMART, DIN-RAIL MOUNT, 3PH ENERGY METER LAN WI-FII, C/W 3 x 120A CT'S	**$**	**444.00**
SHELLY-PRO-3EM-400	SMART 3PH ENERGY METER LAN WI-FI D/RAIL MOUNT C/W 3 x 400A CT'S	**$**	**820.00**
SHELLY-PRO-3EM-63	SMART 3PH ENERGY METER LAN WI-FI D/RAIL MOUNT C/W 1 x 63A CT BLOCK	**$**	**419.00**
SHELLY-PRO-3EM-AO	ADD-ON SWITCH MODULE FOR PRO-3EM, 1-CH, 2AMP	**$**	**98.00**
SHELLY-PRO-4PM	WI-FI LAN OPERATED 4-CHANNEL DIN RAIL RELAY 16AMP, 40AMAX, 110-240VAC	**$**	**330.00**
SHELLY-PRO-EM50	SMART, DIN-RAIL MOUNT, 1-PH, 2-CIRCUIT ENERGY METER LAN WI-FI, C/W 2x50A CT	**$**	**267.00**
SHELLY-UNI-PLUS	INTELLIGENT WI-FI OPERATED IMPLANT 8-24VAC, 9-28VDC, 5VDC	**$**	**58.40**
SHELLY-WALL-B	SHELLY WALL DISPLAY BLACK with BLU H&T	**$**	**447.20**
SHELLY-WALLXLB	SHELLY WALL DISPLAY XL BLACK	**$**	**1,265.50**
SHELLY-ZWAVE-2PM	Z-WAVE 2-CHANNEL 10AMP RELAY W/POWER METERING, 11-240VAC / 24VDC	**$**	**114.00**
SHELLY-ZWAVE-PRO1DIM	Z-WAVE 1-CHANNEL DIMMER W/POWER METERING, 110-240VAC	**$**	**200.70**
SHELLY-ZWAVE-PRO2DIM	Z-WAVE 2-CHANNEL DIMMER W/POWER METERING, 110-240VAC	**$**	**233.00**

CROMPTON - AMMETER SHUNTS

Crompton Instruments 870 series DC shunts are built to U.S. Military Specification A-A-55524 which supercedes MIL-S-61B. Standard accuracy is +/- 0.25%

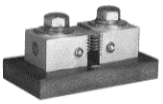
871 Series

871-92VU-5A-100MV	AMMETER SHUNT 5A DC IN, 100mV DC OUT	$	107.10
871-92VU-10A	AMMETER SHUNT 10A DC IN, 50mV DC OUT	$	102.60
871-92VU-10A-100MV	AMMETER SHUNT 10A DC IN,100mV DC OUT	$	107.10
871-92VU-15A	AMMETER SHUNT 15A DC IN, 50mV DC OUT	$	102.60
871-92VU-20A	AMMETER SHUNT 20A DC IN, 50mV DC OUT	$	102.60
871-92VU-25A	AMMETER SHUNT 25A DC IN, 50mV DC OUT	$	102.60
871-92VU-25A-100MV	AMMETER SHUNT 25A DC IN,100mV DC OUT	$	107.10
871-92VU-30A	AMMETER SHUNT 30A DC IN, 50mV DC OUT	$	102.60
871-92VU-30A-100MV	AMMETER SHUNT 30A DC IN,100mV DC OUT	$	88.60
871-92VU-40A	AMMETER SHUNT 40A DC IN, 50mV DC OUT	$	102.60
871-92VU-50A	AMMETER SHUNT 50A DC IN, 50mV DC OUT	$	102.60
871-92VU-50A-100MV	AMMETER SHUNT 50A DC IN, 100mV DC OUT	$	107.10
871-92VU-60A	AMMETER SHUNT 60A DC IN, 50mV DC OUT	$	102.60
871-92VU-75A	AMMETER SHUNT 75A DC IN, 50mV DC OUT	$	102.60
871-92VU-75A/75MV	AMMETER SHUNT 75A DC IN, 75mV DC OUT	$	154.20
871-92VU-80A	AMMETER SHUNT 80A DC IN, 50mV DC OUT	$	102.60
871-92VU-100A	AMMETER SHUNT 100A DC IN, 50mV DC OUT	$	102.60
871-92VU-100A/100MV	AMMETER SHUNT 100A DC IN,100mV DC OUT	$	107.10
871-92VU-150A	AMMETER SHUNT 150A DC IN, 50mV DC OUT	$	102.60
871-92VU-150A-150MV	AMMETER SHUNT 150A DC IN,150mV DC OUT	$	185.70



872 Series

872-92VU-200A	AMMETER SHUNT 200A DC IN, 50mV DC OUT	$	169.10
872-92VU-200A/100MV	AMMETER SHUNT 200A DC IN, 100mV DC OUT	$	223.80
872-92VU-200A-200MV	AMMETER SHUNT 200A DC IN, 200mV DC OUT	$	490.90
872-92VU-250A	AMMETER SHUNT 250A DC IN, 50mV DC OUT	$	223.80
872-92VU-300A	AMMETER SHUNT 300A DC IN, 50mV DC OUT	$	223.80
872-92VU-400A	AMMETER SHUNT 400A DC IN, 50mV DC OUT	$	235.40
872-92VU-500A	AMMETER SHUNT 500A DC IN, 50mV DC OUT	$	235.40
872-92VU-600A	AMMETER SHUNT 600A DC IN, 50mV DC OUT	$	422.90



873 Series

873-92VU-1000A	AMMETER SHUNT 1000A DC IN, 50mV DC OUT	$	435.00
873-92VU-1200A	AMMETER SHUNT 1200A DC IN, 50mV DC OUT	$	887.20
873-92VU-800A	AMMETER SHUNT 800A DC IN, 50mV DC OUT	$	489.20

883 Series

883-92MB-150A	AMMETER SHUNT 150A DC IN, 75mV DC OUT	$	209.00
883-92MB-200A	AMMETER SHUNT 200A DC IN, 75mV DC OUT	$	209.00
883-92MB-200A-200MV	AMMETER SHUNT 200A DC IN, 200mV DC OUT	$	530.60
88392-MB-250A	AMMETER SHUNT 250A DC IN, 75mV DC OUT	$	240.50
883-92MB-300A	AMMETER SHUNT 300A DC IN, 75mV DC OUT	$	262.00
883-92MB-400A	AMMETER SHUNT 400A DC IN, 75mV DC OUT	$	280.20
883-92MB-500A	AMMETER SHUNT 500A DC IN, 75mV DC OUT	$	288.70
883-92VU-300A/50MV	AMMETER SHUNT 300A DC IN, 50mV DC OUT	$	325.10

884 Series

884-92MB-1000A	AMMETER SHUNT 1000A DC IN, 75mV DC OUT	$	739.50
884-92MB-600A	AMMETER SHUNT 600A DC IN, 75mV DC OUT	$	530.60
884-92MB-630A	AMMETER SHUNT 630A DC IN, 75mV DC OUT	$	739.50
885-92MB-2000A	AMMETER SHUNT 2000A DC IN, 75mV DC OUT	$	1,699.60
886-92MB-5000A	AMMETER SHUNT 5000A DC IN, 75mV DC OUT	$	4,039.40

Other primary current values and outputs available on indent request

Low current shunt, Class 1 - From 2A - 24A, mounted on Formica base75 x 75 x 9.5mm and fitted with terminals

SHUNT-0-24	SHUNT 2A-24A CL1	$	112.40

Current Transformers

Notes on Current Transformers

A current transformer is a transformer, which produces in its secondary winding a current, which is proportional to the current flowing in its primary winding. The secondary current is usually smaller in magnitude than the primary current.

The principal function of a CT is to produce a proportional current at a level of magnitude, which is suitable for the operation of measuring or protective devices such as indicating or recording instruments and relays.

The rated secondary current is commonly 5A or 1A, though lower currents such as 0.5A are not uncommon. It flows in the rated secondary load, usually called the burden, when the rated primary current flows in the primary winding.

The primary winding can consist merely of the primary current conductor passing once through an aperture in the current transformer core or it may consist of two or more turns wound on the core together with the secondary winding.

These are two basic CT types. The first is commonly called a "ring" type CT as the core is usually annular, but in some cases, it may be square or rectangular in shape. The second is usually known as a "wound primary" type CT.

The primary and secondary currents are expressed as a ratio such as 100/5. With a 100/5 ratio CT, 100A flowing in the primary winding will result in SA flowing in the secondary winding, provided the correct rated burden is connected to the secondary winding. Similarly, for lesser primary currents, the secondary currents are proportionately lower.

It should be noted that a 100/5 CT would not fulfil the function of a 2011 or a 10/05 CT as the ratio expresses the current rating of the CT, not merely the ratio of the primary to the secondary currents.
The extent to which the secondary current magnitude differs from the calculated value expected by virtue of the CT ratio is defined by the accuracy "Class" of the CT. The greater the number used to define the class, the greater the permissible "current error" the deviation in the secondary current from the calculated value].

Except for the least accurate classes, the accuracy class also
defines the permissible phase angle displacement between primary and secondary currents. This latter point is important with measuring instruments influenced both by magnitude of current and by the phase angle difference between the supply voltage and the load current, such as kWh meters, wattmeter's, var meters and power factor meters.

Common burden ratings are 2.5, 5, 10, 15 and 30VA.

Current transformers are usually either "measuring" or "protective" types, these descriptions being indicative of their functions. The principal requirements of a measuring CT are that, for primary currents up to 120% or 125% of the rated current, its secondary current is proportional to its primary current to a degree of accuracy as defined by its "Class" and, in the case of the more accurate types, that a specified maximum phase angle displacement is not exceeded.

A desirable characteristic of a measuring CT is that it should "saturate" when the primary current exceeds the percentage of rated current specified as the upper limit to which the accuracy provisions apply. This means that at these higher levels of primary current the secondary current is less than proportionate.

The effect of this is to reduce the extent to which any measuring device connected to the CT secondary is subjected to current overload.

On the other hand, the reverse is required of the protective type CT, the principal purpose of which is to provide a secondary current proportional to the primary current when it is several or many, times the rated primary current. The measure of this characteristic is known as the "Accuracy Limit Factor" (A.L.F.). A protection type CT with an A.L.F. of 10 will produce a proportional current in the secondary winding subject to the allowable current error) with primary currents up to a maximum
rated secondary load, usually called the burden, when the rate of 10 times the rated current.

Preferred primary and secondary current ratings [and therefore ratios], classes, burdens and accuracy limit factors are defined in BS3938 and other comparable national standards, together with more turns wound on other minimum performance requirements, physical construction requirements, etc.

It should be remembered when using a CT that where there are two or more devices to be operated by the secondary winding. they must be connected in series across the winding. This is exactly the opposite of the method used to connect two or more loads to be supplied by a voltage or power transformer where the devices are paralleled across the secondary winding.

With a CT, an increase in the burden will result in an increase in the CT secondary output voltage. This is automatic and necessary to maintain the current to the correct magnitude Conversely, a reduction in the burden will result in a reduction in the CT secondary output voltage.

This rise in secondary voltage output with an increase in burden means that, theoretically, with infinite burden as is the case with the secondary load open circuit, an infinitely high voltage appears across the secondary terminals. For practical reasons this voltage is not infinitely high, but can be high enough to cause a breakdown in the insulation between primary and secondary windings or between either or both windings and the core. For this reason, primary current should never be allowed to flow with no load or with a high resistance load connected across the secondary winding.

When considering the application of a CT it should be remembered that the total burden imposed on the secondary winding is not only the sum of the burden(s) of the individual devices) connected to the winding but that it also includes the burden imposed by the connecting cable and the resistance of the connections.

If, for example, the resistance of the connecting cable and the connections is 0.1 ohm and the secondary rating of the CT is SA, the burden of the cable and connections (R2) is 0.1 x 5 x5 =2.5VA. This must be added to the burden(s) of the connected devices) when determining whether the CT has an adequately large burden rating to supply the required device(s) and the burden imposed by the connections.

Should the burden imposed on the CT secondary winding by the connected device(s) and the connections exceed the rated burden of the CT the CT may partly or fully saturate and therefore not have a secondary current adequately linear with the primary current.

Current Transformers & Transducers

Notes on Current Transformers (continued)

of the rated secondary current. Therefore, where long runs of cable between CT and the connected device(s) are involved, the use of a 1A secondary CT and a 1A device rather than 5A will result in a 25-fold reduction in the burden of the connecting cables and connections.

All burden ratings and calculations are at rated secondary current.

Because of the foregoing, when a relatively long [more than a very few metres] cable run is required to connect a CT to its burden [such as a remote ammeter] a calculation should be made to determine the cable burden. This is proportional to the "round trip" resistance, i.e. twice the resistance of the length of twin cable used. Cable tables provide information on the resistance values of different sizes of conductors at 200 C per unit length. The calculated resistance is then multiplied by the square of the CT secondary current rating [25 for 5A, 1 for 1A]. If the VA burden as calculated by this method and added to the rated burden(s) of the device(s) to be driven by the CT exceeds the CT burden rating, the cable size must be increased [to reduce the resistance and thus the burden] or a CT with a higher VA burden rating must be used, or a lower CT secondary current rating [with matching change in the current rating of the device(s) to be driven] should be substituted.

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(with amendments made 13/4/88 and revised 4/10/95 and 09/04)

Burden (VA) of copper conductors between instrument and current transformer for 1A and 5A secondaries

Cross Section mm2	Table for 1A Secondaries					
	Burden in VA (twin wires) Distance in meters					
	Distance					
	10m	20m	40m	60m	80m	100m
1.0	0.36	0.71	1.43	2.14	2.85	3.57
1.5	0.23	0.46	0.92	1.39	1.85	2.31
2.5	0.14	0.29	0.57	0.86	1.14	1.43
4.0	0.09	0.18	0.36	0.54	0.71	0.89
6.0	0.06	0.12	0.24	0.36	0.48	0.60

Cross Section mm2	Table for 5A Secondaries					
	Burden in VA (twin wires) Distance in meters					
	Distance					
	1m	2m	4m	6m	8m	10m
1.0	0.58	1.15	2.31	3.46	4.62	5.77
1.5	0.36	0.71	1.43	2.14	2.86	3.57
2.5	0.22	0.45	0.89	1.34	1.79	2.24
4.0	0.15	0.30	0.6	0.89	1.19	1.49
6.0	0.09	0.18	0.36	0.54	0.71	0.89

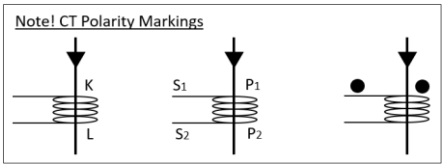
CTs should be specified as follows:
RATIO: Input/output current ratio
VA: Total burden including pilot wires
CLASS: Accuracy required for application
DIMENSIONS: maximum & minimum limits
Metering CTs
input/output current ratio
total burden including pilot wires.
accuracy required for operation
maximum & minimum limits
In general, the following applies:
CLASS
- 0.1 or 0.2 for precision measurements
- 0.5 for high grade kilowatt hour meters for commercial grade kilowatt hour meters
- 3 for general industrial measurements
- 3 or 5 for approximate measurements

BURDEN (depending on pilot lead length)
- Moving iron ammeter 1-2VA
- Moving coll rectifier ammeter 1-2.5VA
- Electrodynamic instrument 2.5-5VA
- Maximum demand ammeter 3-6VA
- Recording ammeter or transducer 1-2.5VA

Protection CTs
In addition to the general specification required for CT design, protection CT's require an Accuracy Limit Factor (ALF). This is the multiple of rated current up to which the CT will operate while complying with the accuracy class requirements.

In general, the following applies:
- Instantaneous overcurrent relays & trip coils-2.5VA Class 10PS
- Thermal inverse time relays - 7.5VA Class 10P10
- Low consumption Relay-2.5VA Class 10P10
- Inverse definite min. time relays (IDMT) overcurrent-15VA Class 10P10/15
- IDMT Earth fault relays with approximate time grading-15VA Class 10P10
- IDMT Earth fault relays with phase fault stability or accurate time grading required 15VA Class 5P10

Class X CTS
Class X CTs are special CTs used mainly in balanced protection systems (including restricted earth fault) where the system is sensitively dependent on CT accuracy. Further to the general CT specifications, the manufacturer needs to know:
- Vkp-Voltage knee point
- Io - Maximum magnetising current at Vkp
- Rs-Maximum resistance of the second



MBS - Standard Current Transformers Cl1

MBS AS Range CTs – DIN Rail, Foot or Bar Mount, Class 1

ASR22.3-40/5A	C.T. 40/5A, 22.5mm BORE, 1VA CL3	**$**	**96.70**
ASR22.3-50/5A	C.T. 50/5A, 22.5mm BORE, 1VA CL3	**$**	**96.70**
ASR22.3-60/5A	C.T. 60/5A, 22.5mm BORE, 1.5VA CL1	**$**	**96.70**
ASR22.3-75/5A	C.T. 75/5A, 22.5mm BORE, 2.5VA CL1	**$**	**96.70**
ASR22.3-100/5A	C.T. 100/5A, 22.5mm BORE, 2.5VA CL1	**$**	**96.70**

ASK31.3-75/5A	C.T. 75/5A, 30x10mm BORE, 1.5VA CL1	**$**	**94.80**
ASK31.3-100/5A	C.T. 100/5A, 30x10mm BORE, 2.5VA CL1	**$**	**94.80**
ASK31.3-150/5A	C.T. 150/5A, 30x10mm BORE, 2.5VA CL1	**$**	**94.80**
ASK31.3-200/5A	C.T. 200/5A, 30x10mm BORE, 5VA CL1	**$**	**94.80**
ASK31.3-250/5A	C.T. 250/5A, 30x10mm BORE, 5VA CL1	**$**	**94.80**
ASK31.3-300/5A	C.T. 300/5A, 30x10mm BORE, 5VA CL1	**$**	**94.80**
ASK31.3-400/5A	C.T. 400/5A, 30x10mm BORE, 10VA CL1	**$**	**94.80**
ASK31.3-500/5A	C.T. 500/5A, 30x10mm BORE, 10VA CL1	**$**	**94.80**
ASK31.3-60/5A	C.T. 60/5A, 30x10mm BORE, 1VA CL1	**$**	**94.80**
ASK31.3-600/5A	C.T. 600/5A, 30 x10mm BORE, 10VA CL1	**$**	**94.80**

ASK41.4-50/5A	C.T. 50/5A, 40x10mm BORE, 1.5VA CL1	**$**	**245.50**
ASK41.4-60/5A	C.T. 60/5A, 40x10mm BORE, 1.5VA CL1	**$**	**77.40**
ASK41.4-100/5A	C.T. 100/5A, 40x10mm BORE, 3.75VA CL1	**$**	**77.40**
ASK41.4-150/5A	C.T. 150/5A, 40x10mm BORE, 5VA CL1 (900.400.0098)	**$**	**77.40**
ASK41.4-200/5A	C.T. 200/5A, 40x10mm BORE, 10VA CL1	**$**	**77.40**
ASK41.4-250/5A	C.T. 250/5A, 40x10mm BORE,10VA CL1	**$**	**77.40**
ASK41.4-300/5A	C.T. 300/5A, 40x10mm BORE,15VA CL1	**$**	**77.40**
ASK41.4-400/5A	C.T. 400/5A, 40x10mm BORE,15VA CL1	**$**	**77.40**
ASK41.4-500/5A	C.T. 500/5A, 40x10mm BORE,15VA CL1	**$**	**77.40**
ASK41.4-600/5A	C.T. 600/5A, 40x10mm BORE, 15VA CL1	**$**	**77.40**
ASK41.4-750/5A	C.T. 750/5A, 40x10mm BORE,10VA CL1	**$**	**77.40**
ASK41.4-800/5A	C.T. 800/5A, 40x10mm BORE, 15VA CL1	**$**	**77.40**
ASK41.4-1000/5A	C.T. 1000/5A, 40x10mm BORE, 10VA CL1	**$**	**77.40**

ASK51.4-300/5A	C.T. 300/5A, 44mm DIA BORE, 10VA CL1	**$**	**115.10**

ASK81.4-400/5A	C.T. 400/5A, 80x10x60mm BORE, 5VA CL1	**$**	**194.40**
ASK81.4-500/5A	C.T. 500/5A, 80x10x60mm BORE 10VA CL1	**$**	**194.40**
ASK81.4-600/5A	C.T. 600/5A, 80x10x60mm BORE, 10VA CL1	**$**	**194.40**
ASK81.4-800/5A	C.T. 800/5A, 80x10x60mm BORE, 15VA CL1	**$**	**194.40**
ASK81.4-1000/5A	C.T.1000/5A, 80x10x60mm BORE, 30VA CL1	**$**	**194.40**
ASK81.4-1200/5A	C.T.1200/5A, 80x10x60mm BORE, 15VA CL1	**$**	**194.40**
ASK81.4-1600/5A	C.T. 1600/5A, 80x10x60mm BORE, 30VA CL1	**$**	**194.40**
ASK81.4-2000/5A	C.T. 2000/5A, 80x10x60mm BORE, 30VA CL1	**$**	**194.40**
ASK83.4-1250/5A	C.T. 1250/5A, 84x34mm BORE, 10VA CL1	**$**	**270.00**

ASK83.4-1000/5A-DT	C.T. 1000/5A, 84x34mm BORE, 15VA CL1, DUAL TERMINAL	**$**	**272.80**
ASK83.4-1600/5A-DT	C.T. 1600/5A, 84x34mm BORE, 15VA CL1 DUAL TERMINAL	**$**	**272.80**

ASK103.3-800/5A	C.T. 800/5A, 103x30mm BORE, 15VA CL1	**$**	**232.10**
ASK103.3-1600/5A	C.T. 1600/5A, 103x30mm BORE, 30VA CL1	**$**	**232.10**

ASK123.3-1000/5A	C.T. 1000/5A, 123x30mm BORE, 10VA CL1	**$**	**252.50**
ASK123.3-1200/5A	C.T. 1200/5A, 123x30mm BORE, 10VA CL1	**$**	**252.50**
ASK123.3-1600/5A	C.T. 1600/5A, 123x30mm BORE, 10VA CL1	**$**	**252.50**
ASK123.3-2000/5A	C.T. 2000/5A, 123x30mm BORE, 15VA CL1 (900.400.0088)	**$**	**252.50**
ASK123.3-2500/5A	C.T. 2500/5A, 123x30mm BORE, 30VA CL1	**$**	**252.50**
ASK123.3-3000/5A	C.T. 3000/5A, 123x30mm BORE, 30VA CL1	**$**	**252.50**
ASK123.3-3000/5A-400	C.T. 3000/5A, 123x30mm BORE, 30VA CL1 400HZ	**$**	**306.70**

RISHABH - Standard Current Transformers (multi-class)

Rishabh XMER Economy Range CTs – DIN Rail, Foot or Bar Mount, Class 0.5, 1 and 3

XMER-62-30-60-5A	CT 60/5A, 31x11mm BORE, 1.5VA C1, 2VA CL3	$	67.50
XMER-62-30-100-5A	CT 100/5A, 31x11mm BORE, 2.50VA CL1	$	67.50
XMER-62-30-150-5A	CT 150/5A, 31x11mm BORE,3.75VA CL0.5, 5VA CL1, 7.5VA CL3	$	67.50
XMER-62-40-200-5A	CT 200/5A, 40x11mm BORE, 3.75VA CL1&3	$	67.50
XMER-62-40-300-5A	CT 300/5A, 40x11mm BORE, 5VA CL1	$	67.50
XMER-62-40-400-5A	CT 400/5A, 40x11mm BORE, 5VA CL1	$	67.50
XMER-74-50-500-5A	CT 500/5A, 51x12mm BORE, 10VA CL1	$	86.00
XMER-86-50-400-5A	CT 400/5A, 51x12mm BORE, 2.5VA CL1	$	91.30
XMER-86-50-600-5A	CT 600/5A, 51x12mm BORE, 15VA CL0.5, 20VA CL1&3	$	91.30
XMER-86-50-800-5A	CT 800/5A, 51x12mm BORE, 30VA C1	$	91.30
XMER-104-80-1000-5A	CT 1000/5A, 81x12mm OR 65mm DIA BORE, 20VA, CL0.5/1/3	$	108.40
XMER-104-80-1200-5A	CT 1200/5A, 81x12mm OR 65mm DIA BORE, 20VA. CL0.5/1/3	$	108.40
XMER-104-80-1500-5A	CT 1500/5A, 81x12mm OR 65mm DIA BORE, 30VA. CL1	$	108.40
XMER-104-80-1600-5A	CT 1600/5A, 81x12mm OR 65mm DIA BORE, 20VA. CL0.5, 30VA CL1 & 3	$	108.40
XMER-140-80-1600-5A	CT 1600/5A, 81x31mm BORE, 60VA. CL1	$	182.40
XMER-140-80-800-5A	CT 800/5A, 81x31mm BORE, 45VA. CL1	$	182.40
XMER-140-100H-2500-5	CT 2500/5A,101x31mm BORE, 45VA. CL1	$	182.40
XMER-140-100H-3000/5	CT 3000/5A,101x31mm BORE, 60VA. CL1	$	182.40
XMER-140-100V-1000-5	CT 1000/5A, 81x51mm BORE, 15VA. CL0.5, 20VA CL1&3	$	182.40
XMER-140-100V-1200-5	CT 1200/5A, 81x51mm BORE, 30VA. CL1	$	182.40
XMER-140-100V-1600-5	CT 1600/5A, 81x51mm BORE, 45VA. CL1	$	182.40
XMER-140-100V-2000-5	CT 2000/5A, 81x51mm BORE, 45VA. CL1	$	182.40
XMER-140-100V-2500-5	CT 2500/5A, 81x51mm BORE, 45VA. CL1	$	182.40
XMER-140-100V-3000/5	CT 3000/5A, 81x51mm BORE, 60VA. CL1	$	182.40
XMER-225-167-5000-5A	CT 5000/5A, 167x66mm BORE, 100VA. CL1	$	323.90
XMER-MTG-KIT	XMER CT MOUNTING FEET AND BUS-BAR SCREWS 140-100 SIZE	$	5.30

Crompton 3-in-1 DIN Rail Mount Current Transformers

M series 3-in-1 Current Transformers combine three traditional CTs in one moulded case, giving 5A outputs to a variety of instruments and/or processes. 3-in-1 CTs can be directly installed next to a three-phase moulded case circuit breaker, saving installation time

M3N1-25-100/5A	CT, 3 IN 1,100/5A,15x25mm BORE, 25mm CENTRES	$	157.40
M3N1-25-125/5A	CT, 3 IN 1,125/5A,15x25mm BORE, 25mm CENTRES	$	157.40
M3N1-25-150/5A	CT, 3 IN 1,150/5A,15x25mm BORE, 25mm CENTRES	$	157.40
M3N1-25-160/5A	CT, 3 IN 1,160/5A,15x25mm BORE, 25mm CENTRES	$	157.40
M3N1-25-60/5A	CT, 3 IN 1, 60/5A,15x25mm BORE, 25mm CENTRES	$	157.40
M3N1-25-DINCLIP	DIN RAIL MOUNTING CLIP FOR M3N1 25 SERIES	$	8.70
M3N1-35-100/5A	CT, 3 IN 1,100/5A, 21x25mm BORE, 35mm CENTRES	$	157.40
M3N1-35-125/5A	CT, 3 IN 1,125/5A, 21x25mm BORE, 35mm CENTRES	$	157.40
M3N1-35-150/5A	CT, 3 IN 1,150/5A, 21x25mm BORE, 35mm CENTRES	$	157.40
M3N1-35-160/5A	CT, 3 IN 1,160/5A, 21x25mm BORE, 35mm CENTRES	$	157.40
M3N1-35-200/5A	CT, 3 IN 1, 200/5A, 21x25mm BORE, 35mm CENTRES	$	157.40
M3N1-35-250/5A	CT, 3 IN 1, 250/5A, 21x25mm BORE, 35mm CENTRES	$	157.40
M3N1-35-DINCLIP	DIN RAIL MOUNTING CLIP FOR M3N1 35 SERIES	$	8.70
M3N1-45-250/5A	CT, 3 IN 1, 250/5A, 31x31mm BORE, 45mm CENTRES	$	197.00
M3N1-45-300/5A	CT, 3 IN 1, 300/5A, 31x31mm BORE, 45mm CENTRES	$	197.00
M3N1-45-400/5A	CT, 3 IN 1, 400/5A, 31x31mm BORE, 45mm CENTRES	$	197.00
M3N1-45-500/5A	CT, 3 IN 1, 500/5A, 31x31mm BORE, 45mm CENTRES	$	197.00
M3N1-45-630/5A	CT, 3 IN 1, 630/5A, 31x31mm BORE, 45mm CENTRES	$	197.00
M3N1-45-DINCLIP	DIN RAIL MOUNTING CLIP FOR M3N1 45 SERIES	$	8.70

Crompton Summation CTs

Summation CTs are designed to summarise the outputs of 2 or more current transformers of equal ratio, with 5A secondary outputs

S95-P94	SUMMATION CT, 2 WAY, 5+5A=5A, 5VA CL1	$	337.50
S95-P94-5+5+5	SUMMATION CT, 3 WAY, 5+5+5=5A, 5VA CL1	$	337.50
S97-P-5+5+5+5=5	SUMMATION CT, 4 WAY, 5+5+5+5=5, 5VA CL1	$	387.90
S97P-94F-5+5+5+5+5=5	SUMMATION CT, 5 WAY, 5+5+5+5+5=5A, 5VA CL1	$	388.70

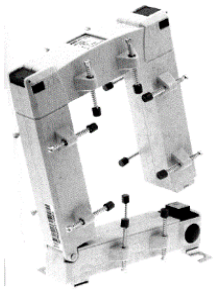
MBS - KBR Series Split Core Current Transformers - 5A secondary

MBS KBR Series Split-Core Current Transformers with 50mm cable

KBR18L-150/5A	CT SPLIT-CORE, 19mm BORE,150/5A,1VA CL1	**$**	**194.30**
KBR18L-250/5A	CT SPLIT-CORE, 19mm BORE, 250/5A, 2VA CL1	**$**	**194.30**
KBR32-100/5A	CT SPLIT-CORE, 32mm BORE,100/5A,1.5VA CL3	**$**	**359.80**
KBR32-150/5A	CT SPLIT-CORE, 32mm BORE, 150/5A, 3VA CL3	**$**	**359.80**
KBR32-200/5A	CT SPLIT-CORE, 32mm BORE, 200/5A, 3VA CL3	**$**	**359.80**
KBR32-250/5A	CT SPLIT-CORE, 32mm BORE, 250/5A, 3VA CL3	**$**	**359.80**
KBR32-300/5A	CT SPLIT-CORE, 32mm BORE, 300/5A, 2.5VA CL1	**$**	**359.80**
KBR32-400/5A	CT SPLIT-CORE, 32mm BORE, 400/5A, 5VA CL1	**$**	**359.80**
KBR32-500/5A	CT SPLIT-CORE, 32mm BORE, 500/5A, 5VA CL1	**$**	**359.80**
KBR32-600/5A	CT SPLIT-CORE, 32mm BORE, 600/5A, 5VA CL1	**$**	**359.80**
KBR42L-600-5/A	CT SPLIT-CORE, 40x85mm BORE, 600/5A, 5VA, CL1	**$**	**414.20**
KBR42L-800/5A	CT SPLIT-CORE, 40x85mm BORE, 800/5A, 5VA, CL1	**$**	**414.20**
KBR44-1000/5A	CT SPLIT-CORE, 44mm BORE,1000/5A, 5VA CL1	**$**	**419.50**
KBR44-250/5A	CT SPLIT-CORE, 44mm BORE, 250/5A,1.5VA CL1	**$**	**419.50**
KBR44-300/1A	CT SPLIT-CORE, 44mm BORE, 300/1A, 2.5VA CL1	**$**	**293.00**
KBR44-300/5A	CT SPLIT-CORE, 44mm BORE, 300/5A, 2.5VA CL1	**$**	**419.50**
KBR44-400/5A	CT SPLIT-CORE, 44mm BORE, 400/5A, 5VA CL1	**$**	**419.50**
KBR44-500/5A	CT SPLIT-CORE, 44mm BORE, 500/5A, 5VA CL1	**$**	**419.50**
KBR44-600/5A	CT SPLIT-CORE, 44mm BORE, 600/5A, 5VA CL1	**$**	**419.50**
KBR44-750/5A	CT SPLIT-CORE, 44mm BORE, 750/5A, 5VA CL1	**$**	**419.50**
KBR44-800/5A	CT SPLIT-CORE, 44mm BORE, 800/5A, 5VA CL1	**$**	**419.50**
KBR42L-600-5/A	CT SPLIT-CORE, 40x85mm BORE, 600/5A, 5VA, CL1	**$**	**414.20**
KBR42L-800/5A	CT SPLIT-CORE, 40x85mm BORE, 800/5A, 5VA, CL1	**$**	**414.20**

MBS - KBU Series Split-Core Current Transformers - 5A secondary

A range of split core current transformers with 5A secondaries, primary current ranges from 100A to 5000A



KBU23-100/5A	CT SPLIT-CORE, 20x30mm BORE, 100/5A,1.25VA CL3	**$**	**394.90**
KBU23-150/5A	CT SPLIT-CORE, 20x30mm BORE, 150/5A,1.5VA CL3	**$**	**394.90**
KBU23-200/5A	CT SPLIT-CORE, 20x30mm BORE, 200/5A, 2.5VA CL3	**$**	**394.90**
KBU23-250/5A	CT SPLIT-CORE, 20x30mm BORE, 250/5A,1.5VA CL1	**$**	**394.90**
KBU23-300/5A	CT SPLIT-CORE, 20x30mm BORE, 300/5A, 3.75VA CL1	**$**	**394.90**
KBU23-400/5A	CT SPLIT-CORE, 20x30mm BORE, 400/5A, 5VA CL1	**$**	**394.90**
KBU58-250/5A	CT SPLIT-CORE, 50x80mm BORE, 250/5A,1.5VA CL1	**$**	**459.10**
KBU58-300/5A	CT SPLIT-CORE, 50x80mm BORE, 300/5A, 2.5VA CL1	**$**	**459.10**
KBU58-400/5A	CT SPLIT-CORE, 50x80mm BORE, 400/5A, 2.5VA CL1	**$**	**459.10**
KBU58-500/5A	CT SPLIT-CORE, 50x80mm BORE, 500/5A, 5VA CL1	**$**	**459.10**
KBU58-600/5A	CT SPLIT-CORE, 50x80mm BORE, 600/5A, 5VA CL1	**$**	**459.10**
KBU58-800/5A	CT SPLIT-CORE, 50x80mm BORE, 800/5A, 7.5VA CL1	**$**	**459.10**
KBU58-1000/5A	CT SPLIT-CORE, 50x80mm BORE,1000/5A,10VA CL1	**$**	**459.10**
KBU812-1000/5A	CT SPLIT-CORE, 80x120mm BORE,1000/5A,10VA CL1	**$**	**544.20**
KBU812-250/5A	CT SPLIT-CORE, 80x120mm BORE, 250/5A, 1.5VA CL1	**$**	**544.20**
KBU812-300/5A	CT SPLIT-CORE, 80x120mm BORE, 300/5A, 2.5VA CL1	**$**	**544.20**
KBU812-500/5A	CT SPLIT-CORE, 80x120mm BORE, 500/5A, 5VA CL1	**$**	**544.20**
KBU812-1200/5A	CT SPLIT-CORE, 80x120mm BORE,1200/5A,10VA CL1	**$**	**544.20**
KBU812-1500/5A	CT SPLIT-CORE, 80x120mm BORE,1500/5A,15VA CL1	**$**	**544.20**
KBU816-1600/5A	CT SPLIT-CORE, 80x160mm BORE,1600/5A,15VA CL1	**$**	**641.30**
KBU816-2000/5A	CT SPLIT-CORE, 80x160mm BORE, 2000/5A,15VA CL1	**$**	**641.30**
KBU816-2500/5A	CT SPLIT-CORE, 80x160mm BORE, 2500/5A,15VA CL1	**$**	**641.30**
KBU816-3000/5A	CT SPLIT-CORE, 80x160mm BORE, 3000/5A, 30VA CL1	**$**	**641.30**
KBU816-4000/5A	CT SPLIT-CORE, 80x160mm BORE, 4000/5A, 30VA CL1	**$**	**641.30**
KBU816-5000/5A	CT SPLIT-CORE, 80x160mm BORE, 5000/5A, 30VA CL1	**$**	**641.30**
KBU-MOUNTING-KIT	CT SPLIT-CORE, 80x160mm BORE, 5000/5A, 30VA CL1	**$**	**641.30**

ACUENERGY - Split-Core Current Transformers 333mV secondary output.

A range of compact split core current transformers with high accuracy 333mV output, the ACCUENERGY Split-Core range features "click-together" construction, allowing one-handed fitting. Accuracy is 1%, frequency 50/60Hz. AcuCT-075 models are 51 x 53 x 17mm; AcuCT-125 models are 83 x 85 x 26mm; AcuCT-200 models are 121 x 127 x 30mm; AcuCT-H040 models are 42 x 29 x 27mm and come with a 1M cable

ACUCT-H040-20:333	HINGED CT 20A:333mV 10mm BORE	$	62.70
ACUCT-H040-30:333	HINGED CT 30A:333mV 10mm BORE	$	62.70
ACUCT-H040-60:333	HINGED CT 60A:333mV 10mm BORE	$	62.70
ACUCT-H063-100:333	HINGED CT 100A:333mV 16mm BORE	$	85.50
ACUCT-H100-200:333	HINGED CT 200A:333mV 25mm BORE	$	111.10
ACUCT-H100-250:333	HINGED CT 250A:333mV 25mm BORE	$	111.10
ACUCT-075-50:333	SPLIT-CORE CT 50A:333mV 19mm BORE	$	96.90
ACUCT-075-100:333	SPLIT-CORE CT 100A:333mV 19mm BORE	$	96.90
ACUCT-075-200-333	SPLIT-CORE CT 200A:333mV 19mm BORE	$	96.90
ACUCT0812-200-5A	SPLIT-CORE CT, 200:5A, 21x31mm BORE CL1.	$	152.70
ACUCT0812-250-5A	SPLIT-CORE CT, 250:5A, 21x31mm BORE CL 0.5	$	152.70
ACUCT0812-300-5A	SPLIT-CORE CT, 300:5A, 21x31mm BORE	$	152.70
ACUCT-125-300-333	SPLIT-CORE CT 300A:333mV 32mm BORE	$	133.90
ACUCT-125-400:333	SPLIT-CORE CT 400A:333mV 32mm BORE	$	133.90
ACUCT-200-1200:333	SPLIT-CORE CT 1200A:333mV 51mm BORE	$	162.40
ACUCT-200-400:333	SPLIT-CORE CT 400A:333mV 51mm BORE	$	162.40
ACUCT-200-600:333	SPLIT-CORE CT 600A:333mV 51mm BORE	$	162.40
ACUCT3050-3000A:333M	SPLIT-CORE CT, 3000A:333mV,127x190.5mm BORE	$	213.70
ACUCT4161R-1600A:333	SPLIT-CORE CT,1600A:333mV,104x155mm BORE	$	683.80
ACUCT4161R-2000A:333	SPLIT-CORE CT, 2000A:333mV,104x155mm BORE	$	683.80

ACUENERGY Rogowski Coil Flexible Current Transformers

A rope-style CT providing a versatile solution when space is limited, the Rogowski Coil is a high specification flexible current transformers that measure AC current for power metering, power quality analysis and general use

ACU-RCT16-1000A-IP68	ROGOWSKI COIL, RANGE 5-1200A, OUTPUT 100mV @1000A,106mm WINDOW, IP68	$	359.00
ACU-RCT24-2500A	ROGOWSKI COIL, RANGE 12.5-3000A, OUTPUT 40mV @1000A,178mm WINDOW	$	446.70
ACU-RIK16-5A	RIK INTEGRATOR + 3 x 16inch ROGOWSKI COILS 2.5A TO 60000A WITH 2m LEADS	$	2,991.50
ACU-RIK24-5A	RIK INTEGRATOR + 3 x 24inch ROGOWSKI COILS 2.5A TO 60000A WITH 2m LEADS	$	3,254.70
ACU-RIK36-5A	RIK INTEGRATOR + 3 x 36inch ROGOWSKI COILS 2.5A TO 60000A WITH 2m LEADS	$	3,853.00
ACU-RIK-MA-3	RIK 3-CH INTEGRATOR ONLY	$	1,801.00

CEL- R-ISW Series Current Switches

Terminal connected and "thru-bore" current switches with fixed and adjustable time delays

R-ISW-16A-ANL	CURRENT SWITCH,16A CIRCUIT, TRIP 200mA, 5MIN DELAY, RELAY 10A@250V CO	**$**	**158.60**
R-ISW-16A-ANL-10M	CURRENT SWITCH, 16A CIRCUIT, TRIP 200mA, 10MIN DELAY, RELAY 10A@250V CO	**$**	**193.90**
R-ISW-16A-ANL-1A	CURRENT SWITCH, 16A CIRCUIT, TRIP 1A, 5MIN DELAY, RELAY 10A@250V CO	**$**	**193.90**
R-ISW-16A-ANL-300MA	CURRENT SWITCH,16A CIRCUIT, TRIP 300mA, 5MIN DELAY, RELAY 10A@250V CO	**$**	**158.60**
R-ISW-16A-ANL-ND	CURRENT SWITCH, 16A CIRCUIT, TRIP 200mA, NO DELAY, 1CO RELAY10A@250V	**$**	**193.90**
R-ISW-30A	CURRENT SWITCH, 30A CIRCUIT, TRIP 200mA, 5MIN DELAY, RELAY 10A@250V COIL	**$**	**169.20**
R-ISW-30A-ANL	CURRENT SWITCH, 30A CIRCUIT, TRIP 200mA, 5MIN DELAY, RELAY 10A@250V COIL	**$**	**169.20**
R-ISW-30A-ANL-SPECIA	CURRENT SWITCH, 30A CIRCUIT, CUSTOM TRIP & DELAY, 1CO RELAY10A@250V	**$**	**193.90**
R-ISW-A-16A	CURRENT SWITCH, 16A CIRCUIT, ADJ TRIP + DELAY 50-200mA, RELAY 10A@250V CO	**$**	**174.50**
R-ISW-A-16A-SPECIAL	CURRENT SWITCH, 16A CIRCUIT, CUSTOM TRIP AND DELAY, RELAY 10A@250V CO	**$**	**193.90**
R-ISW-A-30A	CURRENT SWITCH, 30A CIRCUIT, ADJ TRIP + DELAY 50-200mA, RELAY 10A@250V CO	**$**	**185.10**
R-ISW-A-30A-SPECIAL	CURRENT SWITCH, 30A CIRCUIT, CUSTOM TRIP AND DELAY, RELAY 10A@250V CO	**$**	**193.90**

R-ISW-FLUSH	CURRENT SWITCH, THRU-HOLE, 6A CIRCUIT, TRIP 0.2A, RELAY 6A@250VAC NO	**$**	**145.50**
R-ISW-FLUSH-SPECIAL	CURRENT SWITCH, THRU-HOLE, CUSTOM TRIP AND DELAY, RELAY 6A@250VAC NO	**$**	**165.50**

CR MAGNETICS - Current Switches

Self-powered, thru-bore fixed set-point (350mA) current switch for ON/OFF indication of current flow

CR9321-ACA	CURRENT SWITCH, 350MA SETPOINT, SCR OUTPUT 0.8A, 6.8MM BORE	**$**	**102.10**
CR9321-NPN	CURRENT SWITCH, 350MA SETPOINT, NPN OUTPUT 120MA, 6.8MM BORE	**$**	**102.10**
CR9321-PNP	CURRENT SWITCH, 350MA SETPOINT, PNP OUTPUT 120MA, 6.8MM BORE	**$**	**102.10**
CR9350-ACA	CURRENT SWITCH, 350MA SETPOINT, SCR OUTPUT 0.8A, 15.5MM BORE	**$**	**162.90**
CR9350-PNP	CURRENT SWITCH, 350MA SETPOINT, PNP OUTPUT 120MA, 15.5MM BORE	**$**	**162.90**

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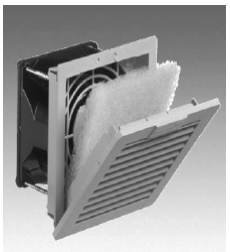
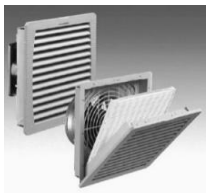
check before ordering

PFANNENBERG - Switchboard & Cabinet, Ventilation and Heating

Pfannenberg Cabinet Fans



PF11.000-109	FILTER FAN 109x109mm 25M3/HR 230V IP54 (11611101055)	$	206.00
PF22.000-145	FILTER FAN 145x145mm 61M3/HR 230VAC IP54 (11622101055)	$	184.20
PF22.000-145-115	FILTER FAN 145x145mm 61M3/HR 115VAC IP54 (1162251055)	$	258.70
PF22.000-145-24VDC	FILTER FAN 145x145mm 61M3/HR 24VDC IP54 (11622801055)	$	305.80
PF22.000-145-24VDC-B	FILTER FAN 145x145mm 61M3/HR 24VDC IP54-BLACK (11622801050)	$	368.60
PF32.000-200	FILTER FAN 202x202mm 110M3/HR 230VAC IP54 (11632101055)	$	232.70
PF32.000-200-115VAC	FILTER FAN 202x202mm 110M3/HR 115VAC IP54 (11632151055)	$	280.10
PF32-EMC-24VDC	FILTER FAN 202x202mm 110M3/HR 24VDC IP54 EMC (11832801055)	$	490.70
PF42.500-24VDC	FILTER FAN 252x252mm 156M3/HR 24VDC IP54 (11642801055)	$	609.50
PF43.000-250	FILTER FAN 252x252mm 256M3/HR 230VAC IP54 (11643101055)	$	459.80
PF43.000-250-24VDC	FILTER FAN 252x252mm 256m3/HR 24VDC (11643801055)	$	865.40
PF66.000-320	FILTER FAN 320x320mm 640M3/HR 230VAC IP54 (11666102055)	$	873.90
PF66.000-320-110	FILTER FAN 320x320mm 640M3/HR 110VAC IP54 (11666152055)	$	1,115.70
PF66.000-320-IP55	FILTER FAN 320x320mm 770M3/HR 230VAC IP55 (11666103055)	$	870.40
PF67.000-320	FILTER FAN 320x320mm 845M3/Hr 230VAC IP54 (11667102055)	$	834.50
PF67.000-SL	FILTER FAN, SLIMLINE 320X 320mm, 725M3/Hr 230VAC IP55 (11677103055)	$	1,107.30



PFA10.000-109	GRILLE & FILTER 109x109mm FOR PF11.00 FAN	$	30.30
PFA20.000-145	GRILLE & FILTER 145x145mm FOR PF22.000 FAN	$	38.00
PFA20.000-145-B	GRILLE & FILTER 145x145mm FOR PF22.000 IP55 FAN - BLACK	$	73.50
PFA30.000-200	GRILLE & FILTER 202x202mm FOR PF32.000 FAN	$	64.70
PFA30.000-EMC	GRILLE & FILTER 202x202mm FOR PF32.000 FAN, EMC	$	268.60
PFA40.000-250	GRILLE & FILTER 252x252mm FOR PF43.000	$	83.70
PFA40.000-EMC	GRILLE & FILTER 252X252mm FOR PFA43.000 FAN, EMC	$	206.00
PFA60.000-320	GRILLE & FILTER 320x320mm FOR PF66/67 FAN	$	118.10
PFA60.000-320-IP55	GRILLE & FILTER 320x320mm FOR PF66 IP55 FAN	$	203.20

PFANNENBERG Top-Mounted Cabinet Fans

PTF60.500-230-IP54	FILTER FAN, TOP MOUNTED, 500M3/HR, 230VAC, IP54, (11685101055)	$	1,257.15
PTF60.700-230-IP54	FILTER FAN, TOP MOUNTED, 700M3/HR, 230VAC,,IP54, (11687102055)	$	1,261.90
PTF60.700-MOTOR	FILTER FAN MOTOR, 230VAC FOR PTF60.700 (18611000044)	$	377.70
PTF61.000-230-IP33	FILTER FAN, TOP MOUNTED, 1000M3/HR 230VAC, IP33, (11681100055)	$	1,351.90
PTF61.000-230-IP54	FILTER FAN, TOP MOUNTED, 700M3/HR 230VAC, IP54, (11681102055)	$	1,273.20

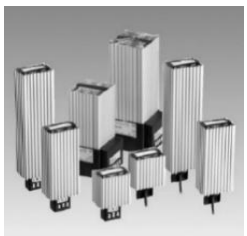
*** Pfannenberg Air-Conditioning units for cabinets and switchboards also available - price on application ***

PFANNENBERG - Cabinet Thermostats

FLZ510	THERMOSTAT, HEATING/COOLING, DIN RAIL MOUNT, 0-60DEG C,1CO CONTACT	$	104.80
FLZ520	THERMOSTAT, HEATING, DIN RAIL MOUNT, 0-60DEG C,1NC CONTACT	$	63.50
FLZ530	THERMOSTAT, COOLING, DIN RAIL MOUNT, 0-60DEG C,1NO CONTACT	$	63.50
FLZ541	THERMOSTAT, HEATING/COOLING, DIN RAIL MOUNT, 0-60DEG C,1NC+ NO CONTACT	$	89.30
FLZ600	HYGROSTAT, DIN RAIL MOUNT, 40-90% RH, 0-60DEG C,1CO CONTACT	$	269.30
FLZ610	THERMOSTAT - HYGROSTAT, DIN RAIL MOUNT, 40-90% RH, 0-60DEG C,1CO CONTACT	$	312.20

PFANNENBERG - Cabinet Heaters

Self regulating PTC heatting elements for fail safe enclosure heating. 1m cable or terminals. 230Vac.



PRH010-M	ENCLOSURE HEATER, DIN RAIL MOUNT, 10 WATT, 230VAC	$	116.00
PRH020-M	ENCLOSURE HEATER, DIN RAIL MOUNT, 20 WATT, 230VAC	$	116.00
PRH030-M	ENCLOSURE HEATER, DIN RAIL MOUNT, 30 WATT, 230VAC	$	116.00
FLH045	ENCLOSURE HEATER, DIN RAIL MOUNT, 45 WATT, 230VAC	$	194.00
FLH060	ENCLOSURE HEATER, DIN RAIL MOUNT, 60 WATT, 230VAC	$	220.10
FLH075	ENCLOSURE HEATER, DIN RAIL MOUNT, 75 WATT, 230VAC	$	246.10
FLH100	ENCLOSURE HEATER, DIN RAIL MOUNT, 100 WATT, 230VAC	$	251.00
FLH100-TERM	ENCLOSURE HEATER WITH TERMINALS, DIN RAIL MOUNT,100 WATT, 230VAC	$	164.50
FLH150	ENCLOSURE HEATER, DIN RAIL MOUNT, 150 WATT, 230VAC	$	305.10
FLH250	ENCLOSURE HEATER, DIN RAIL MOUNT, 250 WATT, 230VAC	$	374.10
FLH400	ENCLOSURE FAN HEATER , DIN RAIL MOUNT, 400W, 230VAC	$	396.60
FLH-T-1000	ENCLOSURE FAN HEATER WITH THERMOSTAT, DIN RAIL MOUNT, 1000W, 230VAC	$	890.40
FLH-T-250	ENCLOSURE FAN HEATER WITH THERMOSTAT, DIN RAIL MOUNT, 250W, 230VAC	$	482.60

A comprehensive range of air-conditioning systems and heat exchangers for cabinets and switch/computer rooms is also avilable from Pfannberg on request

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FINDER - Switchboard Thermostats, Heaters, Fans and LED Lighting

FINDER - DIN Rail Mounting Cabinet Thermostats

7T.81-COOLING	THERMOSTAT, COOLING, DIN RAIL, 0-60°C, NO10A, (7T.81.0.000.2303)	**$**	**63.70**
7T.81-HEATING	THERMOSTAT, HEATING, DIN RAIL, 0-60°C, NO10A, (7T.81.0.000.2403)	**$**	**63.70**

FINDER DIN Rail Mounting Cabinet Heaters

7H.51-230-0025	ENCLOSURE HEATER, DIN RAIL MOUNT, 25 WATT, 120-230VAC/DC - TERMINAL CONNECT	**$**	**202.20**
7H.51-230-0050	ENCLOSURE HEATER, DIN RAIL MOUNT, 50 WATT, 120- 230VAC/DC- TERMINAL CONNECT	**$**	**220.00**
7H.51-230-0100	ENCLOSURE HEATER, DIN RAIL MOUNT, 100 WATT, 230VAC - TERMINAL CONNECT	**$**	**384.20**

FINDER - Switchboard Lighting - with magnetic mounting brackets. On/Off switch or PIR

7L.46-024-1100	LED PANEL LIGHT, 1200 LUMENS 12-48VAC/DC, SWITCHED	**$**	**258.20**
7L.46-024-2100	LED PANEL LIGHT, 1200 LUMENS 12-48VAC/DC, PIR SENSOR	**$**	**278.00**
7L.46-230-0200	LED PANEL LIGHT, 1200 LUMENS 110-240VAC, DIRECT SWITCH	**$**	**274.10**
7L.46-230-1100	LED PANEL LIGHT, 1200 LUMENS 110-240VAC, SWITCHED	**$**	**258.20**
7L.46-230-2100	LED PANEL LIGHT, 1200 LUMENS 110-240VAC, PIR SENSOR	**$**	**278.00**

FINDER - Switchboard Filter Fans

7F.02.0.000.1000	EXHAUST FILTER SIZE1,120x120mm, IP54	**$**	**37.60**
7F.20.9.024.1020	FILTER FAN 120x120mm, 24m3/HR, 24VDC, IP54	**$**	**220.20**
	Other sizes available on request		

FINDER - Pressure Compensating Glands

The Finder 07F.80 is a Pressure Compensation device for pressure compensation in closed cabinets or enclosures. In sealed cabinets and enclosures the internal pressure can vary due to changes in temperature. The pressure compensation device (07F.80) will relieve this internal/external pressure differential whilst maintaining a high level of protection, and thus preventing the ingress of dust and moisture into the cabinet or the enclosure. The pressure compensation device is approved for use in cabinets and enclosures according to DIN EN 62208.

07F.80	PRESSURE COMPENSATING GLAND, PG29, 65.5 Ø x 30.5(D)mm, IP55	**$**	**99.00**
PPC	PRESSURE COMPENSATING BREATHER GLAND M12	**$**	**17.20**

TEST TERMINAL BLOCKS

Front connecting, continuously rated for 30A at 50degC up to 600V, allowing easy for on-site testing of meters,relays and instrument transformers

TTB10WFC-TEST	TEST TERMINAL BLOCK,10 WAY, FRONT CONNECTED, WITH VOLTAGE TEST POINTS	**$**	**185.10**
TTB13WFC	TEST TERMINAL BLOCK, 13 WAY FRONT CONNECT COMPLETE WITH COVER	**$**	**171.90**
TTB13W	TEST TERMINAL BLOCK, 13WAY FRONT CONNECT, WITHOUT COVER	**$**	**171.90**
TTB13WFC	TEST TERMINAL BLOCK, 13 WAY FRONT CONNECT COMPLETE WITH COVER	**$**	**171.90**
TTB13WFC-COVER	ACRYLIC COVER, STANDARD, FOR TTB13FWC	**$**	**28.00**
TTB13FWC-CVR-SPECIAL	ACRYLIC COVER, EXTENDED, FOR TTB13FWC 262x152x46.5mm	**$**	**27.80**

TTB13WFC

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FINDER and MOREK - Distribution Blocks and Terminals

A range of Distribution Blocks and Terminals for Electrical Switchboards

MO-BLOCK2P-125A-11	DISTRIBUTION BLOCK, 2 POLE, 2x35 + 2x25 + 7x6mm², MAB125A-11	**$**	**49.90**
MO-BLOCK2P-125A-15	DISTRIBUTION BLOCK, 2 POLE, 2x35 + 2x25 + 11x6mm², MAB126A-15	**$**	**56.60**
MO-BLOCK4P-125A-15	DISTRIBUTION BLOCK, 4 POLE, 2x10-35 + 11x1.5-6/ 2 X10-25, (MAB4126A18)	**$**	**94.00**

MO-MAB16X5	TERMINAL PLATE, 5xCu 2,5-16 mm 5x124A 690V, MAB16x5	**$**	**55.40**
MO-MAB16X5-COVER	TERMINAL PLATE SEALING COVER, MAB16x5	**$**	**10.10**

MO-MH25	GLAND PLATE, MH25 MULTIGATE 25 WAY IP55 RAL 9005 BLACK	**$**	**56.70**

MO-OL240-2	HEAVY DUTY CONNECTOR, 2 x Cu/Al 95-240mm² MAJ2240E10	**$**	**143.00**
MO-OTH240-3	UNIVERSAL TERMINAL, 3xAl/Cu 85-240mm 800A, MAC3240A14	**$**	**151.10**
MO-OTH240-4	UNIVERSAL TERMINAL, 4xAl/Cu 85-240mm 1250A, MAC4240A14	**$**	**139.70**
MO-OTH300-2	UNIVERSAL TERMINAL, 2xAl/Cu 70-3000mm 800A, MAC2300A14	**$**	**166.50**
MO-OTL150	UNIVERSAL TERMINAL, GREY,1xAl/Cu 25-150mm² 1000V, MAA1150A10	**$**	**58.80**
MO-OTL16	UNIVERSAL TERMINAL, GREY,1xAl/Cu 1,5-16mm² 1000V, MAA1016A10	**$**	**15.40**
MO-OTL240-2	UNIVERSAL TERMINAL, GREY, 2xAl/Cu 35-240mm² 1000V, MAA2240A10	**$**	**167.20**
MO-OTL35	UNIVERSAL TERMINAL, GREY,1xAl/Cu 2,5-35mm² 1000V, MAA1035A10	**$**	**15.90**
MO-OTL35-3	UNIVERSAL TERMINAL, GREY, 3x1xAl/Cu 2,5-35mm² 1000V, MAA1335A10	**$**	**39.70**
MO-OTL35-5	UNIVERSAL TERMINAL, GREY, blue,ye/gr 5x1xAl/Cu 2,5-35mm² 1000V, MAA5035A10	**$**	**83.50**
MO-OTL95	UNIVERSAL TERMINAL, GREY,1xAl/Cu 6-95mm² 1000V, MAA1095A10	**$**	**31.10**

MO-PE12H	EARTH BAR GREEN PE12H 12x16mm IP20 (pack of 10pcs)	**$**	**151.10**
MO-PE7H	EARTH BAR GREEN PE7H 7x16mm IP20 (pack of 10 pcs)	**$**	**88.10**
MO-N12H	NEUTRAL BAR BLUE N12H 12x16mm IP20 (pack of 10pcs)	**$**	**151.10**
MO-N7H	NEUTRAL BAR BLUE N7H 7x16mm IP20 (pack of 10pcs)	**$**	**88.10**

FINDER Distribution Terminal Blocks

9D.01.5.080.0304	DISTRIBUTION BLOCK 80A, IN 3x 2.5-16mm, OUT 4x 2.5-16mm	**$**	**39.50**
9D.01.5.125.0206	DISTRIBUTION BLOCK 125A, IN 2x 10-35mm, OUT 6x 6 -16mm	**$**	**70.50**
9D.01.5.175.0210	DISTRIBUTION BLOCK 175A, IN 2x 10-70mm, OUT 10x 2.5-16mm	**$**	**105.00**
9D.01.5.250.0111	DISTRIBUTION BLOCK 250A, IN 1x 35-120mm, OUT 2x 2.5-15mm, 5x 2.5-16mm, 4x 2.5-10	**$**	**169.00**
9D.01.5.400.0111	DISTRIBUTION BLOCK 400A, IN 1x 95-185mm, OUT 2x 2.5-35mm, 5x 2.5-16mm, 4x 2.5-10	**$**	**105.00**

STANDOFFS AND ISOLATOR SWITCHES

Insulated Stand-offs with Octagonal flats and brass, metric threaded insert

I030EN	STAND-OFF INSULATOR 30mm H x 32mm W, M6 BRASS INSERT	$	10.50
I030EN-E	STAND-OFF INSULATOR 30mm H x 30mm W, M6 BRASS INSERT	$	10.50
I035EN	STAND-OFF INSULATOR 35mm H x 35mm W, M6 BRASS INSERT	$	10.50
I035EN-E	STAND-OFF INSULATOR 35mm H x 32mm W, M6 BRASS INSERT	$	10.50
I035FN	STAND-OFF INSULATOR 35mm H x 35mm W, M8 BRASS INSERT	$	10.50
I035FN-E	STAND-OFF INSULATOR 35mm H x 32mm W, M8 BRASS INSERT	$	10.50
I035GN-E	STAND-OFF INSULATOR 35mm H x 32mm W, M10 BRASS INSERT	$	10.50
I038GN	STAND-OFF INSULATOR 38mm H x 41mm W, M10 BRASS INSERT (IO38-E)	$	10.50
I040EN	STAND-OFF INSULATOR 40mm H x 40mm W, M6 BRASS INSERT	$	10.50
I040EN-E	STAND-OFF INSULATOR 40mm H x 41mm W, M6 BRASS INSERT	$	10.50
I040FN	STAND-OFF INSULATOR 40mm H x 40mm W, M8 BRASS INSERT	$	10.50
I040GN	STAND-OFF INSULATOR 40mm H x 40mm W, M10 BRASS INSERT	$	10.50
I050FN	STAND-OFF INSULATOR 50mm H x 44mm W, M8 BRASS INSERT	$	14.00
I050GN	STAND-OFF INSULATOR 50mm H x 44mm W, M10 BRASS INSERT	$	14.00
I050GN-E	STAND-OFF INSULATOR 50mm H x 46mm W, M10 BRASS INSERT	$	14.00
I050HN	STAND-OFF INSULATOR 50mm H x 44mm W, M12 BRASS INSERT	$	14.00
I050HN-DB50/P	STAND-OFF INSULATOR 50mm H x M12 STEEL INSERT	$	17.20
I050HN-E	STAND-OFF INSULATOR 50mm H x 46mm W, M12 BRASS INSERT	$	14.00
I060GN	STAND-OFF INSULATOR 60mm H x 52mm W, M10 BRASS INSERT	$	15.80
I060GN-E	STAND-OFF INSULATOR 60mm H x 60mm W, M10 BRASS INSERT	$	15.80
I060HN	STAND-OFF INSULATOR 60mm H x 55mm W, M12 BRASS INSERT	$	15.80
I075FN-MBS	STAND-OFF INSULATOR 75mm H x M8 STEEL NSERT	$	36.40
I075GN	STAND-OFF INSULATOR 75mm H x 50mm W, M10 BRASS INSERT	$	17.60
I075HN	STAND-OFF INSULATOR 75mm H x 62mm W, M12 BRASS INSERT	$	17.60
I100-HEX-M16	STAND-OFF INSULATOR HEXAGONAL,100mm H, M16 BRASS INSERT	$	17.60
I100-ROUND-M16	STAND-OFF INSULATOR, ROUND 100mm H, M16 BRASS INSERT	$	30.60

CAM OPERATED SELECTOR SWITCHES

RT16-61312-B19	SELECTOR SWITCH, VOLTMETER, 3 PHASE LINE TO LINE, PANEL MOUNT	$	91.20
RT16-61313-B19	SELECTOR SWITCH, VOLTMETER, LINE TO LINE + LINE TO NEUTRAL, PANEL MOUNT	$	99.50
RT16-61325-B19	SELECTOR SWITCH, AMMETER, 4 POSITION, PANEL MOUNT	$	107.80

CAM OPERATED ISOLATOR SWITCHES

RT16-61025-B19	SELECTOR SWITCH, MAN-OFF-AUTO, 1POLE 16A	$	41.40
RT16-61027-B19	SELECTOR SWITCH, 1-0-2 , 3POLE 16A	$	64.70
RT16-61027-B19-FHAB	SELECTOR SWITCH, MAINS-OFF-GEN, 3POLE 16A	$	59.40
RT16-61151-B19	SELECTOR SWITCH, 1-0-2, 1POLE 16A	$	41.40
RT16-61153-B19	SELECTOR SWITCH, 1-0-2 , 3POLE 16A	$	64.70
RT16-61153-B19-FHAB	SELECTOR SWITCH, MAINS-OFF-GEN, 3POLE 16A	$	64.70
RT16-61191-B19	SELECTOR SWITCH, ON/OFF, PANEL MOUNT, 1POLE 16A	$	41.40
RT32-61025-B19	SELECTOR SWITCH, CHANGE-OVER, 1-0-2, 1 POLE 32A	$	64.70
RT32-61027-B19	SELECTOR SWITCH, CHANGE-OVER, 1-0-2, 3 POLE 32A	$	77.90
RT32-61151-B19	SELECTOR SWITCH, CHANGE-OVER, MAN-OFF-AUTO, 1 POLE 32A	$	64.70
RT32-61153-1/0/2	SELECTOR SWITCH, CHANGE-OVER, 1-0-2, 3POLE 32A	$	74.20
RT32-61153-B19	SELECTOR SWITCH, CHANGE-OVER, MAN-OFF-AUTO, 3POLE 32A	$	77.90
RT32-61194-B33	ISOLATOR SWiITCH, LOCKABLE, ON-OFF, PANEL MOUNT, YELLOW-RED, 4POLE 32A	$	102.10
RT32-61199-B19	ISOLATOR SWITCH, LOCKABLE, ON-OFF, PANEL MOUNT, 3POLE 32A	$	77.90
S63-61027-B41	SELECTOR SWITCH, CHANGE OVER, REAR PANEL MOUNT, 3POLE 63A	$	157.50
S63-61191-B31	SELECTOR SWITCH, ON/OFF, REAR PANEL MOUNT, 3POLE 63A	$	132.70
S63-61194-B33	ISOLATOR SWITCH, LOCKABLE, ON-OFF, PANEL MOUNT, 4POLE 63A	$	116.10
S63-61199-B31	ISOLATOR SWITCH, LOCKABLE, ON-OFF, YELLOW-RED, 3POLE 63A, IP65 BOX	$	164.20
S63-61199-B41	SELECTOR SWITCH, ON-OFF, REAR PANEL MOUNT, 3POLE 63A	$	116.10
S100-61027-B41	SELECTOR SWITCH, CHANGE OVER, REAR PANEL MOUNT, 3POLE 100A	$	464.30
S100-61199-B41	SELECTOR SWITCH, ON/OFF, REAR PANEL MOUNT, 3POLE 100A	$	323.30

BOXED ISOLATOR SWITCHES

RT16-61191-B31-G/B	ISOLATOR SWITCH, LOCKABLE, ON-OFF, GREY-BLACK, 1POLE 16A, IP65 BOX	$	54.80
RT16-61191-B31-Y/R	ISOLATOR SWITCH, LOCKABLE, ON-OFF, YELLOW-RED, 1POLE 16A, IP65 BOX	$	54.80
RT16-61191-B33-G/B	ISOLATOR SWITCH, LOCKABLE, ON-OFF, BLACK-GREY, PANEL MOUNT , 1POLE 16A	$	39.70
RT16-61191-B33-Y/R	ISOLATOR SWITCH, LOCKABLE, ON-OFF, YELLOW-RED, PANEL MOUNT, 1POLE 16A	$	39.70
RT32-61191-B31-G/B	ISOLATOR SWITCH, LOCKABLE, ON-OFF, GREY-BLACK, 1POLE 32A, IP65 BOX	$	64.70
RT32-61191-B31-Y/R	ISOLATOR SWITCH, LOCKABLE, ON-OFF, YELLOW-RED, 1POLE 32A, IP65 BOX	$	64.70
RT32-61191-B33-G/B	ISOLATOR SWITCH, LOCKABLE, ON-OFF, GREY-BLACK, 1POLE 32A, IP65 BOX	$	64.70

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SALZER (India) DIN WIRING TERMINALS

Standard DIN Rail Mounting Terminals

SCRW2.5U	FEED THROUGH SCREW TERMINAL, GREY, 2.5mm2	$	2.30
SCRW4U	FEED THROUGH SCREW TERMINAL, GREY, 4mm2 GREY	$	2.50
SCRW6U	FEED THROUGH SCREW TERMINAL, GREY, 6mm2	$	3.00
SCRW10U	FEED THROUGH SCREW TERMINAL, GREY,10mm2	$	3.40
SCRW16U	FEED THROUGH SCREW TERMINAL, GREY,16mm2	$	4.50
SCRW25U	FEED THROUGH SCREW TERMINAL, GREY, 25mm2	$	6.30
SCRW35U	FEED THROUGH SCREW TERMINAL, GREY, 35mm2	$	10.30
SCRW50U	FEED THROUGH SCREW TERMINAL, GREY, 50mm2	$	33.10
SCRW95U	FEED THROUGH SCREW TERMINAL, GREY, 95mm2	$	54.50
SCRW4U 1-2	FEED THROUGH SCREW TERMINAL, GREY, 4mm2,1 IN 2 OUT	$	4.00
SCRW4U-BLACK	FEED THROUGH SCREW TERMINAL, BLACK, 4mm2	$	2.90
SCRW4U-BLUE	FEED THROUGH SCREW TERMINAL, BLUE, 4mm2	$	2.90
SCRW4U-GREEN	FEED THROUGH SCREW TERMINAL, GREEN, 4mm2	$	2.90
SCRW4U-ORANGE	FEED THROUGH SCREW TERMINAL, ORANGE, 4mm2	$	2.90
SCRW4U-PINK	FEED THROUGH SCREW TERMINAL, PINK, 4mm2	$	2.90
SCRW4U-RED	FEED THROUGH SCREW TERMINAL, RED, 4mm2	$	2.90
SCRW4U-WHITE	FEED THROUGH SCREW TERMINAL, WHITE, 4mm2	$	2.90
SCRW4U-YELLOW	FEED THROUGH SCREW TERMINAL, YELLOW, 4mm2	$	2.90
G4	EARTH TERMINAL, SCREW TYPE, 4mm2	$	8.80
G10	EARTH TERMINAL, SCREW TYPE, 10mm2	$	11.70
G16	EARTH TERMINAL, SCREW TYPE, 16mm2	$	13.10
G35	EARTH TERMINAL, SCREW TYPE, 35mm2	$	30.10

SPRING CLAMP DIN TERMINALS

CAGE2.5	FEED THROUGH SPRING CLAMP TERMINAL, 2.5mm2	$	2.90
CAGE2.5 1-2	FEED THROUGH SPRING CLAMP TERMINAL, 2.5mm2,1 IN 2 OUT	$	2.90
CAGE4	FEED THROUGH SPRING CLAMP TERMINAL, 4mm2 (CSC4T)	$	3.30
CAGE4 1-2	FEED THROUGH SPRING CLAMP TERMINAL, 4.0mm2,1 IN 2 OUT	$	5.30
CAGE6	FEED THROUGH SPRING CLAMP TERMINAL, 6mm2	$	3.90
CAGEG2.5	EARTH TERMINAL, SPRING CLAMP, 2.5mm2	$	2.00
CAGEG4	EARTH TERMINAL, SPRING CLAMP, 4mm	$	2.60
CAGEG6	EARTH TERMINAL, SPRING CLAMP, 6mm	$	3.80
CAGEP2.5 2-2	FEED THROUGH SPRING CLAMP TERMINAL, 2.5mm2, 2 IN 2 OUT	$	4.90

SPECIALISED DIN Rail Mounting Terminals

KN4U

DISCT6U

DBLOFF4U	FEED THROUGH SCREW TERMINAL, OFFSET DOUBLE LEVEL, 4mm2,	$	6.40
DDFL4U	FEED THROUGH FUSED TERMINAL, DOUBLE LEVEL, 4mm2	$	14.90
F4U	FUSED SCREW TERMINAL 4mm2	$	8.30
F4U(L)/12V	FUSED SCREW TERMINAL 4mm2, WITH LED,12V	$	14.10
F4U(L)/220V	FUSED SCREW TERMINAL 4mm2 WITH LED, 220VAC	$	14.10
F4U(L)/24V	FUSED SCREW TERMINAL 4mm2, WITH LED, 24VAC/DC	$	14.10
KN4U	KNIFE DISCONNECT TERMINAL 4mm2	$	8.10
DISCT6U	DISCONNECT TEST TERMINAL 6mm2	$	10.30
DISCT6US	DISCONNECT TEST TERMINAL 6mm2 FOR CTS	$	10.30
TAB4U	FEED THROUGH TERMINAL 6.3 mm SPADE CONNECTION	$	4.50
TL2.5U	FEED THROUGH TERMINAL TRIPLE LEVEL, GREY, 2.5mm2	$	18.30
P4	MINI PANEL MOUNT TERMINAL 4mm2	$	2.30
M4	FEED THROUGH MICRO TERMINAL 4mm2 FOR 15mm RAIL	$	2.30

END PLATES AND SPACERS FOR TERMINALS

EPSCRW2.5U/4U	END PLATE FOR SCRW2.5U/4U TERMINAL	$	1.00
EPSCRW6U/10U	END PLATE FOR SCRW6U/10U TERMINAL	$	1.00
EPSCRW16U	END PLATE FOR SCRW16U TERMINAL	$	1.20
EPSCRW25U	END PLATE FOR SCRW25U TERMINAL	$	1.60
EPSCRW35U	END PLATE FOR SCRW35U TERMINAL	$	1.80
EPSCRW4U 1-2	END PLATE FOR CMC1X2 TERMINAL	$	1.80
EPDBLOFF4U	END PLATE, FRONT SIDE, FOR DBLOFF4U, TERMINAL	$	2.50
EPDBLOFF4UA	END PLATE, REAR SIDE FOR DBLOFF4U, TERMINAL	$	1.80
EPDDFL4U	END PLATE FOR DDFL4U, TERMINAL	$	2.90
EPDISCT6U	END PLATE FOR DISCT6US, TERMINAL	$	2.10
EPKN4U	END PLATE FOR CKT4U TERMINAL	$	1.60
EPM4	END PLATE FOR M4 TERMINAL	$	1.00
EPTAB4U	END PLATE FOR CTC4U TERMINAL	$	1.80
EPP4	END PLATE FOR CMB4 TERMINAL	$	1.30
EPTL2.5U	END PLATE FOR CTL2.5U TERMINAL	$	2.90
EPCAGE2.5	END PLATE FOR CAGE2.5 TERMINAL	$	1.50
EPCAGE2.5U	END PLATE FOR CAGE2.5 1-2 TERMINAL	$	1.50
EPCAGE4	END PLATE FOR CAGE4 TERMINAL	$	2.30
EPCAGE6	END PLATE FOR CAGE6 TERMINAL	$	2.80

SALZER (India) Partition Plates for Terminals

PPSCRW2.5U/4U	PARTITION PLATE FOR CTS2.5UN/CTS4UN TERMINAL	$	1.10
PPSCRW6U/10U	PARTITION PLATE FOR CTS6U/CTS10U TERMINAL	$	1.50
PPSCRW25U	PARTITION PLATE FOR CTS25U TERMINAL	$	2.00
PPSCRW35U	PARTITION PLATE FOR CTS35U TERMINAL	$	2.00
PPF4U	PARTITION PLATE FOR F4U TERMINAL	$	2.30
PPM4	PARTITION PLATE FOR M4 TERMINAL	$	1.10

Wiring Terminals, Connectors & DIN Rail

Compact Distribution Blocks – 125A Input/65A Output

DISBL10/2	2 WAY DISTRIBUTION BLOCK, 10mm2	$	59.70
DISBL10/3	3 WAY DISTRIBUTION BLOCK, 10mm2	$	71.30
DISBL10/4	4 WAY DISTRIBUTION BLOCK, 10mm2	$	81.20

Neutral/Earth Terminal Stations-Mount on NEB6 OR NEB10 Busbar, available in blue(netural) or green (earth)

GN4-BLUE	NEUTRAL CLAMP CONNECTOR 4mm2 - BLUE	$	1.30
GN4-GREEN	EARTH CLAMP CONNECTOR 4mm2 - GREEN	$	1.30
GN16-BLUE	BLUE - NEUTRAL CLAMP CONNECTOR 16mm2	$	1.60
GN16-GREEN	GREEN - EARTH CLAMP CONNECTOR 16mm2	$	1.60
GN35-BLUE	NEUTRAL CLAMP CONNECTOR 35mm2 - BLUE	$	3.00
GN35-GREEN	EARTH CLAMP CONNECTOR 35mm2 - GREEN	$	3.00

Mounting Accessories for terminals

ES1N	TERMINAL END CLAMP FOR 15mm DIN RAIL	$	2.40
ES2N	TERMINAL END CLAMP FOR 35mm DIN RAIL	$	2.40
B1S	DIN RAIL MOUNTING BRACKET (ANGLE TYPE)	$	2.40
PASL05/10	INTERNAL JUMPER 10-WAY FOR SCRW2.5U TERMINAL	$	8.60
PASL06/10	INTERNAL JUMPER 10-WAY FOR SCRW4U/CMB4 TERMINAL	$	8.60
PASL08/10	INTERNAL JUMPER 10-WAY FOR SCRW6U TERMINAL	$	8.60
PASL10/10	INTERNAL JUMPER 10-WAY FOR SCRW10U TERMINAL	$	9.30
PASL12/10	INTERNAL JUMPER 10-WAY FOR SCRW25U TERMINAL	$	12.20
PASL15/10	INTERNAL JUMPER 10-WAY FOR SCRW35U TERMINAL	$	12.80
PASL6/10A	INTERNAL JUMPER 10 WAY FOR DDFL4U TERMINAL	$	11.00
CL08/10	COMBLINK 10-WAY FOR CDTTU	$	10.80
CL6/10	COMBLINK 10-WAY FOR SCRW4U/CMC1x2	$	9.60
CL6/10A	COMBLINK 10-WAY FOR CKT4U	$	9.60
CL6/10B	COMBLINK 10-WAY FOR CMB4/ODL4U/CDL4U	$	9.60
CL6/10C	COMBLINK 10-WAY FOR TL2.5U	$	9.60
CL8/10A	COMBLINK 10-WAY FOR CSFL4U/DDFL4U	$	5.70
SL-PUSHIN5	PUSH-ON SHORTING LINK FOR CAGE2.5 TERMINAL	$	1.50
SL-PUSHIN5B	SHORTING LINK WIRE 110mm FOR CAGE2.5 TERMINAL	$	3.80
SL-PUSHIN6	PUSH-ON SHORTING LINK FOR CSC4T TERMINAL	$	2.50
SL-PUSHIN6A	PUSH-ON SHORTING LINK FOR CSC4 TERMINAL	$	3.90
SL-PUSHIN6B	SHORTING LINK 110mm FOR CSC4T TERMINAL	$	4.90
SL-PUSHIN8	PUSH-ON SHORTING LINK FOR CSC6T TERMINAL	$	3.30

Mounting Rails for Terminals

CA601/S	DIN RAIL,15mm, SLOTTED PLATED STEEL, 1M LENGTH	$	18.30
CA701/P	DIN RAIL, 35mm PLAIN PLATED STEEL,1M LENGTH	$	14.10
CA701/S	DIN RAIL, 35mm, SLOTTED PLATED STEEL,1M LENGTH	$	14.10
CA701/S-125	DIN RAIL, 35mm, SLOTTED PLATED STEEL,125mm LENGTH	$	19.00
NB6-6	NEUTRAL- EARTH BAR 6x6mm - 1 METRE LENGTH	$	44.10
NBS	NEUTRAL- EARTH BAR SUPPORT FOR NB6 AND NB10	$	2.00

Electrical Transducers

Technical Competence and Economy

Carrel Electrade Limited's range of Electrical Transducers are designed and manufactured by us to provide a technically competent and cost effective solution to the measurement of electrical parameters. The range has been developed to meet the requirements of both the New Zealand Power Industry and our manufacturing industries.

Production costs are minimised through continually improving design, SMD componentry and efficient production techniques. Most standard requirements can be satisfied by using a combination of LP and T series devices. Transducers can also be modified or custom-built by our engineers to meet the requirements of unusual applications and demanding specifications.

Standards

All transducers are designed to exceed the requirements of the international standard IEC 60688 "Electrical measuring transducers for converting ac electrical quantities to analogue or digital signals". Other standards applying to the units are the safety standard IEC 60414 and the insulation standard IEC 60255 clauses 5, 6 and 8.

Accuracy

The standard accuracy of LP and T Series transducers is Class 0.5 (0.5% of span) as defined by IEC 60688. Where a higher level of accuracy is justified LP Series transducers can be calibrated to Class 0.2 on special request. Transducers are individually calibrated and tested, and individual test results are available in hard copy on request.

Safety

A high galvanic separation exists between inputs, outputs and the auxiliary supply circuit to ensure the safety of sensitive equipment in the measurement system. The outputs are current and voltage limited and incorporate surge protection to minimise the risk of damage due to faults or over voltage transients.

EMC Compliance

The LP and T Series are electromagnetically compatible (EMC) with the requirements of CISPR 11 edition 2 1990 in this respect and are C-Tick approved.

MODBUS RS485 Communications

Several of the LP-Series transducers offer the option of digital output on RS485 using the industry standard MODBUS RTU protocol.

Enclosure

All enclosures are manufactured in grey self-extinguishing PPO plastic. The DIN 43880 case style has a simple clip on DIN rail mounting for DIN rail (EN 60715, 35mm DIN rail). Connections are by rising cage screw terminals with a maximum cable size of 4mm2

LP and T Series General Specifications - Conforming with IEC 60688

Inputs :Current: 1A, 5A (others on request)
:Voltage: All ac systems voltages to 440V
:Frequency: 50Hz, 60Hz (400Hz on request)

Analogue output (Load independent dc current or voltage)

: 0 to 10mA dc < 1500Ω load
: -10 to 0 to +10mA dc < 1500Ω load
: 0 to 20mA dc < 750Ω load

Response time: <250ms (0 - 99%) at full load
(faster times on special request)
Ripple: <1% peak to peak (of full output span)

Digital output MODBUS/RTU over RS485, 9600 or 19200 baud rate, no parity.

Overload Current input: 2 x nominal continuous :20 x nominal for 3 seconds
Voltage: 1.2 x nominal continuous 1.5 x nominal for 10 seconds
Short circuit output: continuous

Accuracy Class: 0.5 (0.5% of full output span)
Range: 20 to 120% (LP-VS, LP-VSX3) - 0 to 120% (all others)
Drift: < +0.5% over the range 0°C to +23°C to +60°C - 0.1% per annum non cumulative

Influences affecting accuracy

Watt and var transducers: (transducers to Class 0.2 (+0.2% of span) can be manufactured to order)

Auxilliary supply (specify on order)

24V, 110V, 230V or 240V ac +20% 1.5VA, 24V or 110V dc +20% 2W Other auxiliary supply voltages made to order

Isolation Galvanic isolation between inputs, output and auxiliary supply (where specified)

Temperature

Operating 0°C to +23°C to +60°C
Storage -25°C to +70°C

Due to volatile international material costs, prices may change at short notice.
check before ordering

Electrical Transducers

Model	Type	Operation	Aux Power	Output Options	Case
LP-IS	Current	Single phase arithmetic me	Self	A, B, D,E	3M
LP-IP	Current	Single phase arithmetic me	AC/DC	A, B, C, D,E	3M
LP-IL	Current	Single phase arithmetic me	DC loop	C	3M
LP-ISX3	Current	3 phase arithmetic mean	Self	A, B, D,E	9M
LP-IRMS	Current	Single phase RMS respondi	AC/DC	A, B, C, D,E	4M
LP-ID	Current	Single phase arithmetic me	AC/DC	M	4M
LP-VS	Voltage	Single phase arithmetic me	Self	A, B, D,E	3M
LP-VP	Voltage	Single phase arithmetic me	AC/DC	A, B, C, D,E	3M
LP-VL	Voltage	Single phase arithmetic me	DC loop	C	3M
LP-VSX3	Voltage	3 phase arithmetic mean	Self	A, B, D,E	9M
LP-VP-DSW	Voltage	Single phase arithmetic me	AC/DC	A, B, C, D,E	6M
LP-VRMS	Voltage	Single phase RMS respondi	AC/DC	A, B, C, D,E	4M
LP-VD	Voltage	3 phase arithmetic mean	AC/DC	M	4M
LP-TR	Temperature	PT100 temperature sensin	AC/DC	A, B, C, D,E	3M
LP-TRD	Temperature	PT100 temperature sensin	AC/DC	M	4M
LP-CDU	DC voltage/Current	Galvanic Separation	AC/DC	A1, B1, C, D1, E1	4M
LP-CDD	DC voltage/Current	Galvanic Separation	AC/DC	M	4M
LP-TPR	Tap Change	Resisitive Potentiometer ta	AC/DC	A, B, C, D,E	3M
LP-1W1	Watt	Single phase load	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-1W3	Watt	3 phase 3 wire balanced lo	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-1W4	Watt	3 phase 4 wire balanced lo	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-2W3	Watt	3 phase 3 wire unbalanced	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-2.5W4	Watt	3 phase 4 wire unbalanced	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-1V3	Var	3 phase 3 wire balanced lo	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-2V3	Var	3 phase 3 wire unbalanced	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-2.5V4	Var	3 phase 4 wire unbalanced	AC/DC	A1, B1, C, D1, E1, M, P	6M*
LP-KVAP	kVA-hour	kVA-hour 3 phase pulse ou	Self	P	4M
LP-PF1	Phase Angle	Single phase power factor	AC/DC	A, B, C	4M
LP-PF3	Phase Angle	3 phase balanced load pow	AC/DC	A, B, C	4M

Output Codes:

A = 0 to 10mA dc < 1500 O
B = 0 to 20mA dc < 750 Oh
C = 4 to 20mA dc < 750 Oh
D = 0 to +5V dc > 2K Ohms
E = 0 to +10V dc > 2K Ohm
M = RS485 MODBUS RTU protocol 9.6K/19.
P = pulse, contacts 2A 110V < 10W dc (non inductive)

A1 = -10 to 0 to +10mA dc < 1500 Ohms
B1 = -20 to 0 to +20mA dc < 750 Ohms
D1 = -5 to 0 to +5V dc > 2k Ohms
E1 = -10 to 0 to +10V dc > 2k Ohms

Note! Case style 9M for M or P output option

3M

6M

9M

CEL - CURRENT TRANSDUCERS

CEL CURRENT TRANSDUCERS

A range of locally designed and manufactured transducers inspired by the a range of locally designed and manufactured transducers inspired by the requirements of New Zealand Industry. Available in a variety of enclosure styles, Cl 0.5 accuracy, IEC 60688

CT-IL CT Mounted Transducer - 5A to 4 - 20mA Loop

The CT-IL is a small (45 x 30 x 46mm) loop-powered transducer that mounts on a standard CT with a 5A secondary via an adhesive strip, to provide a 4-20mA current loop using an auxiliary 10 to 30Vdc power supply injected into the loop. Ideal for retro-fit applications as well as new installations

CT-IL-5A-4/20MA	CURRENT TRANSDUCER, LOOP POWERED, CT MOUNTED, 5A IN 4-20mA OUT	**$**	**179.80**

T-ILE DIN-Rail Mounted Transducer - 5A to 4 - 20mA Loop

T-ILE integral CT, multi-range loop powered, 4 to 20mA output, enclosure 25 Jumper selectable input range. DIN rail mount

TILE4L	CURRENT TRANSDUCER, LOOP POWERED, 5-20A IN, 4-20mA OUT	**$**	**318.60**
TILE4H	CURRENT TRANSDUCER, LOOP POWERED, 25-100A IN, 4-20mA OUT	**$**	**318.60**

T-ILC Mounted Transducer - 5A to 4 - 20mA Loop

T-ILC integral CT, loop powered, 4 to 20mA output. Surface or DIN rail mount

TILC-5A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 5A IN, 4-20mA OUT	**$**	**272.30**
TILC-10A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 10A IN, 4-20mA OUT	**$**	**272.30**
TILC-15A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 15A IN, 4-20mA OUT	**$**	**272.30**
TILC-20A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 20A IN, 4-20mA OUT	**$**	**272.30**
TILC-25A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 25A IN, 4-20mA OUT	**$**	**272.30**
TILC-50A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 50A IN, 4-20mA OUT	**$**	**272.30**
TILC-50A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 50A IN, 4-20mA OUT	**$**	**318.60**
TILC-100A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 100A IN, 4-20mA OUT	**$**	**318.60**
TILC-150A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 150A IN, 4-20mA OUT	**$**	**318.60**
TILC-200A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 200A IN, 4-20mA OUT	**$**	**318.60**
TILC-250A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 250A IN, 4-20mA OUT	**$**	**318.60**
CARREL-DIN-RAIL	DIN ADAPTOR for T1KW1	**$**	**7.30**

T-ILA DIN-Rail Mounted Transducer - 5A to 4 - 20mA Loop

T-ILC integral CT, loop powered, 4 to 20mA output. DIN rail mount

TILA-5A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 5A IN, 4-20mA OUT	**$**	**272.30**
TILA-10A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 10A IN, 4-20mA OUT	**$**	**272.30**
TILA-15A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 15A IN, 4-20mA OUT	**$**	**272.30**
TILA-25A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 25A IN, 4-20mA OUT	**$**	**272.30**
TILA-50A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 50A IN, 4-20mA OUT	**$**	**272.30**
TILA-100A-12MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 12mm BORE, 100A IN, 4-20mA OUT	**$**	**272.30**
TILA-50A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 50A IN, 4-20mA OUT	**$**	**318.60**
TILA-100A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 100A IN, 4-20mA OUT	**$**	**318.60**
TILA-150A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 150A IN, 4-20mA OUT	**$**	**318.60**
TILA-200A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 200A IN, 4-20mA OUT	**$**	**318.60**
TILA-250A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 250A IN, 4-20mA OUT	**$**	**318.60**
TILA-400A-18MMBORE	CURRENT TRANSDUCER, LOOP POWERED, 18mm BORE, 400A IN, 4-20mA OUT	**$**	**318.60**

Please consult our website for individual Electrical Transducer specifications

Due to volatile international material costs, prices may change at short notice.
check before ordering

CEL - ELECTRICAL TRANSDUCERS

CURENT TRANSDUCERS

LP-IL loop powered – enclosure 3M

LPIL-1A-4-20MA	CURRENT TRANSDUCER, LOOP POWERED, 1A IN, 4-20mA OUT	**$**	**289.60**
LPIL-5A-4-20MA	CURRENT TRANSDUCER, LOOP POWERED, 5A IN, 4-20mA OUT	**$**	**289.60**
LPIL-NON-STD	CURRENT TRANSDUCER, LOOP POWERED, NON STANDARD INPUT	**$**	**329.20**

LP-IP separately powered-Enclousre 3M

LPIP-1A-4-20MA-110V	CURRENT TRANSDUCER, SEPARATELY POWERED, 1A IN, 4-20mA OUT, AUX 110VAC	**$**	**338.40**
LPIP-1A-4-20MA-230V	CURRENT TRANSDUCER, SEPARATELY POWERED, 1A IN, 4-20mA OUT, AUX 230VAC	**$**	**338.40**
LPIP-5A-4-20MA-110V	CURRENT TRANSDUCER, SEPARATELY POWERED, 5A IN, 4-20mA OUT, AUX 110VAC	**$**	**338.40**
LPIP-5A-4-20MA-230V	CURRENT TRANSDUCER, SEPARATELY POWERED, 5A IN, 4-20mA OUT, AUX 230VAC	**$**	**338.40**
LPIP-NON-STD	CURRENT TRANSDUCER, SEPARATELY POWERED, NON STANDARD INPUT	**$**	**421.80**
LPIRMS	CURRENT TRANSDUCER, RMS RESPONDING	**$**	**462.70**

LP-IS self powered-Enclousre 3M

LPIS-1A-10MA	CURRENT TRANSDUCER, SELF POWERED, 1A IN, 0-10mA OUT	**$**	**280.20**
LPIS-1A-20MA	CURRENT TRANSDUCER, SELF POWERED, 1A IN, 0-20mA OUT	**$**	**280.20**
LPIS-5A-10MA	CURRENT TRANSDUCER, SELF POWERED, 5A IN, 0-10mA OUT	**$**	**280.20**
LPIS-5A-10V	CURRENT TRANSDUCER, SELF POWERED, 5A IN, 0-10V OUT	**$**	**338.40**
LPIS-5A-20MA	CURRENT TRANSDUCER, SELF POWERED, 5A IN, 0-20mA OUT	**$**	**280.20**
LPIS-NON-STD	CURRENT TRANSDUCER, SELF POWERED, NON-STANDARD INPUT	**$**	**338.40**
LPIS-V	CURRENT TRANSDUCER, SELF POWERED, VOLTAGE OUTPUT	**$**	**338.40**
LPISX3	CURRENT TRANSDUCER, SELF POWERED, 3 PHASE	**$**	**658.30**

T-IL loop powered, 4 to 20mA output, enclosure 25

TIL-1A-4-20MA	CURRENT TRANSDUCER, LOOP POWERED, 1A IN, 4-20mA OUT	**$**	**289.60**
TIL-5A-4-20MA	CURRENT TRANSDUCER, LOOP POWERED, 5A IN, 4-20mA OUT	**$**	**289.60**

T-IS self powered – enclosure 55

TIS-1A-10MA	CURRENT TRANSDUCER, SELF POWERED, 1A IN, 0-10mA OUT	**$**	**318.60**
TIS-1A-20MA	CURRENT TRANSDUCER, SELF POWERED, 1A IN, 0-20mA OUT	**$**	**318.60**
TIS-5A-10MA	CURRENT TRANSDUCER, SELF POWERED, 5A IN, 0-10mA OUT	**$**	**318.60**
TIS-5A-20MA	CURRENT TRANSDUCER, SELF POWERED, 5A IN, 0-20mA OUT	**$**	**318.60**
TIS-NON-STD	CURRENT TRANSDUCER, SELF POWERED, NON STANDARD INPUT AND OUTPUT	**$**	**343.70**

T-IP separately powered, 4 to 20mA output – enclosure 55

TIP-110V-1A-4-20MA	CURRENT TRANSDUCER, SEPARATELY POWERED, 110VAC SUPPLY, 1A IN, 4-20mA OUT	**$**	**318.60**
TIP-110V-5A-4-20MA	CURRENT TRANSDUCER, SEPARATELY POWERED, 110VAC SUPPLY, 5A IN, 4-20mA OUT	**$**	**318.60**
TIP-230V-1A-4-20MA	CURRENT TRANSDUCER, SEPARATELY POWERED, 230VAC SUPPLY, 1A IN, 4-20mA OUT	**$**	**318.60**
TIP-230V-5A-4-20MA	CURRENT TRANSDUCER, SEPARATELY POWERED, 230VAC SUPPLY, 5A IN, 4-20mA OUT	**$**	**318.60**
TIP-400V-1A-4-20MA	CURRENT TRANSDUCER, SEPARATELY POWERED, 400VAC SUPPLY, 1A IN, 4-20mA OUT	**$**	**318.60**
TIP-400V-5A-4-20MA	CURRENT TRANSDUCER, SEPARATELY POWERED, 400VAC SUPPLY, 5A IN, 4-20mA OUT	**$**	**318.60**
TIP-NON-STD	CURRENT TRANSDUCER, SEPARATELY POWERED, NON STANDARD SUPPLY, INPUT AND OUTPUT	**$**	**370.10**
LPDC-SURCHARGE	DC AUXILIARY POWER SUPPLY SURCHARGE FOR LP SERIES TRANSDUCERS	**$**	**123.70**

Please consult our website for individual Electrical Transducer specifications

Due to volatile international material costs, prices may change at short notice.
check before ordering

CEL - ELECTRICAL TRANSDUCERS

Voltage Transducers LP-VL loop powered – enclosure 3M

LPVL	VOLTAGE TRANSDUCER, LOOP POWERED (CUSTOM SPECIFICATION)	$	305.40

Voltage Transducers LP-VS self powered – enclosure 3M

LPVS-150V-20MA	VOLTAGE TRANSDUCER, ARITHMETIC MEAN, SELF POWERED, 150VAC-0-20mA	$	296.10
LPVS-300V-20MA	VOLTAGE TRANSDUCER, ARITHMETIC MEAN, SELF POWERED, 300VAC-0-20mA	$	296.10
LPVS-500V-20MA	VOLTAGE TRANSDUCER, ARITHMETIC MEAN, SELF POWERED, 500VAC-0-20mA	$	296.10
LPVS-CURRENT-OUTPUT	VOLTAGE TRANSDUCER, ARITHMETIC MEAN, SELF POWERED, CURRENT OUTPUT	$	338.40
LPVS-VOLT-OUTPUT	VOLTAGE TRANSDUCER, ARITHMETIC MEAN, SELF POWERED, VOLTAGE OUTPUT	$	338.40
LPVSX3	VOLTAGE TRANSDUCER 3 PHASE, ARITHMETIC MEAN, SELF POWERED	$	658.30

Voltage Transducers LP-VP separately powered – enclosure 3M

LPVP-150V-4-20MA-230	VOLTAGE TRANSDUCER, SEPARATELY POWERED, AUX SUPPLY 230VAC	$	437.60
LPVP-270V-4-20MA-24D	VOLTAGE TRANSDUCER, SEPARATELY POWERED, AUX SUPPLY 24VDC	$	527.50
LPVP-NON-STD	VOLTAGE TRANSDUCER, SEPARATELY POWERED - NONSTANDARD INPUT	$	437.60

Voltage Transducers LP-VP-DSW separately powered, window / dual slope – enclosure 6M

LPVP-DSW	VOLTAGE TRANSDUCER, SEPARATELY POWERED, DUAL SLOPE/WINDOW	$	527.50
LPVP-WINDOW	VOLTAGE TRANSDUCER, SEPARATELY POWERED - WINDOW TYPE	$	437.60

Voltage Transducers LP-VRMS separately powered rms responding – enclosure 4M

LPVRMS	VOLTAGE TRANSDUCER, RMS RESPONDING (CUSTOM SPECIFICATION)	$	527.50

Voltage Transducers T-VL loop powered, 4 to 20mA output – enclosure 25

TVL	VOLTAGE TRANSDUCER, LOOP POWERED (CUSTOM SPECIFICATION)	$	346.30
TVL-WINDOW	VOLTAGE TRANSDUCER, WINDOW TYPE, LOOP POWERED (CUSTOM SPECIFICATION)	$	404.50

Voltage Transducers T-VS self powered, 0 to 20mA output – enclosure 55

TVS-150V-20MA	VOLTAGE TRANSDUCER, SELF POWERED, 150VAC IN, 0-20mA OUT	$	362.20
TVS-300V-20MA	VOLTAGE TRANSDUCER, SELF POWERED, 300VAC IN, 0-20mA OUT	$	362.20
TVS-500V-20MA	VOLTAGE TRANSDUCER, SELF POWERED, 500VAC IN, 0-20mA OUT	$	362.20
TVS-NON-STD	VOLTAGE TRANSDUCER, SELF POWERED,NON-STANDARD INPUT/ OUTPUT	$	428.30

Voltage Transducers T-VP separately powered – enclosure 55

TVP-150V-4-20MA-110V	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 150VAC IN, 4-20mA OUT, AUX 110VAC	$	543.40
TVP-150V-4-20MA-230V	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 150VAC IN, 4-20mA OUT, AUX 110VAC	$	543.40
TVP-250V-4-20MA-230V	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 150VAC IN, 4-20mA OUT, AUX 230VAC	$	543.40
TVP-500V-4-20MA-110V	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 250VAC IN, 4-20mA OUT, AUX 230VAC	$	543.40
TVP-500V-4-20MA-230V	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 500VAC IN, 4-20mA OUT, AUX 110VAC	$	543.40
TVP-500V-4-20MA-400V	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 500VAC IN, 4-20mA OUT, AUX 230VAC	$	543.40
TVP-DSW	VOLTAGE TRANSDUCER, SEPARATELY POWERED, 500VAC IN, 4-20mA OUT AUX 400VAC	$	633.30
TVP-NON-STD	VOLTAGE TRANSDUCER, DUAL-SLOPE, SEPARATELY POWERED	$	543.40
TVP-WINDOW	VOLTAGE TRANSDUCER, SEPARATELY POWERED, NON-STANDARD INPUT/OUTPUT	$	576.30

Watt Transducers

LP1W1	WATT TRANSDUCER, SINGLE PHASE, CT INPUT, ANALOGUE OUTPUT	$	675.50
LP1W3	WATT TRANSDUCER, 3PHASE 3WIRE BALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	675.50
LP1W4	WATT TRANSDUCER, 3PHASE 4WIRE BALANCED LOAD, CT INPUT, ANALOGUE	$	675.50
LP2W3	WATT TRANSDUCER, 3 PHASE 3 WIRE, UNBALANCED LOAD, CT INPT ANALOGUE OUTPUT	$	873.80
LP2-5W4	WATT TRANSDUCER, 3PHASE 4WIRE UNBALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	906.80
T1W1	WATT TRANSDUCER, SINGLE PHASE, CT INPUT, ANALOGUE OUTPUT	$	774.60
T1W3	WATT TRANSDUCER, 3 PHASE 3 WIRE BALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	774.60
T1W4	WATT TRANSDUCER, 3 PHASE 4 WIRE BALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	774.60
T2W3	WATT TRANSDUCER 3 PHASE 3 WIRE UNBALANCED LOAD	$	906.80
T2-5W4	WATT TRANSDUCER, 3 PHASE 4 WIRE UNBALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	906.80
T3W4	WATT TRANSDUCER, 3 PHASE 4WIRE UNBALANCED LOAD	$	906.80

Surcharges

LPDC-SURCHARGE	DC AUXILIARY POWER SUPPLY SURCHARGE FOR LP SERIES TRANSDUCERS	$	123.70
LP-MODBUS-OUTPUT	MODBUS OPTION FOR LP TRANSDUCERS	$	179.80

Please consult our website for individual Electrical Transducer specifications

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CEL - ELECTRICAL TRANSDUCERS

Watt/Watt-hour Transducers

LP1W1H	WATT-HOUR TRANSDUCER, SINGLE PHASE, CT INPUT	$	906.80
LP1W3H	KWH TRANSDUCER, 3PHASE 3WIRE BALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	906.80
LP1W4H	KWH TRANSDUCER, 3PHASE 4WIRE BALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	906.80
LP2W3H	ENERGY METER (KWHr)3PHASE 3WIRE UNBALANCED LOAD, CT INPUT	$	1,088.00
LP2-5W4H	KWH TRANSDUCER, 3PHASE 4WIRE UNBALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	1,121.00

Var Transducers

LP1V3	VAR TRANSDUCER, 3Ph 3WIRE BALANCED LOAD	$	105.10
LP2V3	VAR TRANSDUCER, 3 PHASE 3 WIRE UNBALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	741.60
LP2-5V4	VAR TRANSDUCER, 3PHASE 4WIRE UNBALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	922.70

Var transducers – enclosure 100

T1V3	VAR TRANSDUCER, 3 PHASE 3WIRE BALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	850.00
T2V3	VAR TRANSDUCER 3 PHASE 3 WIRE UNBALANCED LOAD , CT INPUT, ANALOGUE OUTPUT	$	1,154.10
T2-5V4	VAR TRANSDUCER, 3 PHASE 4 WIRE UNBALANCED LOAD, CT INPUT, ANALOGUE OUTPUT	$	1,196.40
T3V4	VAR TRANSDUCER, 3 PHASE 4 WIRE UNBALANCED LOAD	$	1,426.40

Var/Var-hour Transducers

LP1V3H	KVARH TRANSDUCER ,3PHASE 3WIRE BALANCED LOAD	$	922.70
LP2V3H	KVARH TRANSDUCER, 3PHASE 3WIRE, UNBALANCED LOAD, CT INPUT ANALOGUE OUTPUT	$	1,121.00

VA Transducers – enclosure 100

T1VA1	VA TRANSDUCER, SINGLE PHASE, CT INPUT, ANALOGUE OUTPUT	$	906.80
T1VA3	VA TRANSDUCER, 3 PHASE 3WIRE BALANCED LOAD, CT INPUT	$	906.80
T1VA4	VA TRANSDUCER, 3 PHASE 4WIRE BALANCED LOAD	$	906.80
T2VA3	VA TRANSDUCER, 3 PHASE 3 WIRE UNBALANCED LOAD	$	1,352.40
T3VA4	VA TRANSDUCER, 3 PHASE 4 WIRE UNBALANCED LOAD	$	1,805.70

kVA-hour pulse Transducer – enclosure 4M

LPKVAP	kVA PULSE TRANSDUCER	$	453.50

TemperatureTransducers

LPTR	THERMOMETER TRANSDUCER - RESISTANCE TYPE	$	277.60
LPTRD	RESISTANCE THERMOMETER T/DUCER MODBUS	$	376.80
TTRL	TEMPERATURE TRANSDUCER, LOOP POWERED, PT100 INPUT - 4-20mA OUTPUT	$	272.30

Tap Position Change Transducer

LPTPR	TAP POSITION TRANSDUCER - RESISTANCE TYPE	$	412.40
TTPR	TAP POSITION TRANSDUCER, RESISTANCE TYPE	$	437.60

Resistance Transducer – enclosure 55

TR	TRANSDUCER, RESISTANCE MEASUREMENT TYPE	$	363.60

Surcharges

LPDC-SURCHARGE	DC AUXILIARY POWER SUPPLY SURCHARGE FOR LP SERIES TRANSDUCERS	$	123.70
TDC-SURCHARGE	DC AUXILIARY POWER SUPPLY SURCHARGE FOR T SERIES TRANSDUCERS	$	123.70
LP-MODBUS-OUTPUT	MODBUS OPTION FOR LP TRANSDUCERS	$	179.80

Please consult our website for individual Electrical Transducer specifications

CEL -ELECTRICAL TRANSDUCERS

Signal Converters/Isolators

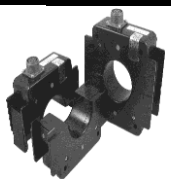
LPCDD	UNIDIRECTIONAL DC SIGNAL CONVERTER PT100 INPUT	$	470.60
LPCDU-M-BI	SIGNAL CONVERTER, BI OR UNI DIRECTIONAL DC, MULTI INPUT/OUTPUT OPTIONS	$	346.30
LPCDU-V-UNI	SIGNAL CONVERTER, UNIDIRECTIONAL DC VOLTAGE INPUT, 4-20mA OUT ONLY	$	346.30
LPCDUBP-HALL	SIGNAL CONVERTER, BIPOLAR DC HALL SENSOR INPUT	$	346.30

Hall Effect Sensors

TR101-OCS-100A	HALL EFFECT CURRENT TRANSDUCER, INPUT 100A , OUTPUT +-4Vdc, SUPPLY +-15Vdc	$	108.00
TR201-OCS-200A	HALL EFFECT CURRENT TRANSDUCER, INPUT 200A , OUTPUT +-4Vdc, SUPPLY +-15Vdc	$	108.00
TR301-OCS-300A	HALL EFFECT CURRENT TRANSDUCER, INPUT 300A , OUTPUT +-4Vdc, SUPPLY +-15Vdc	$	108.00
TR401-OCS-400A	HALL EFFECT CURRENT TRANSDUCER, INPUT 400A , OUTPUT +-4Vdc, SUPPLY +-15Vdc	$	108.00
TR501-OCS-500A	HALL EFFECT CURRENT TRANSDUCER, INPUT 500A , OUTPUT +-4Vdc, SUPPLY +-15Vdc	$	108.00

Other models and ratios available - Please contact us

Split-Core Hall Effect Transducers



TN301-OCS	SPLIT CORE HALL EFFECT CURRENT TRANSDUCER, 300A, OUTPUT +-4Vdc, SUPPLY 15Vdc	$	217.10
TN501-OCS	SPLIT CORE HALL EFFECT CURRENT TRANSDUCER, 500A, OUTPUT +-4Vdc, SUPPLY 15Vdc	$	217.10
CTH-501FLS	SPLIT CORE HALL EFFECT CURRENT TRANSDUCER 500A	$	1,570.60
CTH-801HMS	SPLIT CORE HALL EFFECT CURRENT TRANSDUCER 800A	$	1,859.20

Other models and ratios available - Please contact us

Signal converters – enclosure 55

TCDU	SIGNAL CONVERTER, UNIDIRECTIONAL INPUTS-OUTPUTS	$	421.80

Signal isolators – enclosure 25

TCDL-5V	SIGNAL ISOLATOR, 3 WIRE INPUT 4-20mA OR 0-5V OUTPUT	$	305.40
TCDL-10V	SIGNAL ISOLATOR, 3 WIRE INPUT 4-20mA OR 0-10V OUTPUT	$	305.40
TCDL-4-20MA	SIGNAL ISOLATOR, LOOP POWERED, IN/PUT AND OUTPUT 4-20mA	$	289.60
TCDL-NON-STD	SIGNAL ISOLATIOR, NON STANDARD INPUTS AND OUTPUTS	$	305.40

Integrator – enclosure 55

TINTP	INTEGRATOR, PULSE OUTPUT	$	560.50

Multi Input/Output Signal Transducer

DIN rail mounted Signal Transducer offering 16 analogue input/output configurations via DIP switch,22.5mm wide, 24vdc supply voltage

TR-UNI-2SC3	SIGNAL TRANSDUCER, 16 INPUT/OUTPUT OPTIONS	$	202.10

Please consult our website for individual Electrical Transducer specifications

Surcharges for dc auxiliary power supplies (not loop powered)

TDC-SURCHARGE	DC AUXILIARY POWER SUPPLY SURCHARGE FOR T SERIES TRANSDUCERS	$	123.70
LPDC-SURCHARGE	DC AUXILIARY POWER SUPPLY SURCHARGE FOR LP SERIES TRANSDUCERS	$	123.70

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DATAKOM - GENERATOR CONTROLS

Gen-Set Controllers

DKG-114	REMOTE STOP/START CONTROL 9-30VDC	**$**	**381.30**
DKG-116	REMOTE STOP/START CONTROL 9-30VDC	**$**	**390.00**
DKG-215	GENSET CONTROL, MANUAL AND REMOTE START UNIT, 96x96mm	**$**	**370.10**
DKG-215-P-CABLE	MINI USB - RS232 PROGRAMME CABLE FOR DKG215	**$**	**132.20**
DKG-519	GENSET CONTROL MANUAL & REMOTE START UNIT, 200x148mm	**$**	**1,288.90**
DKG-105	AUTOMATIC MAINS FAIL GENSET CONTROLLER, 72x72mm	**$**	**236.30**
DKG-225	AUTOMATIC MAINS FAIL CONTROL WITH BATTERY CHARGER, 133x107mm	**$**	**508.20**
DKG-705	AUTOMATIC MAINS FAIL CONTROL WITH PARALLELING,192x144mm	**$**	**1,475.70**
D500-GPRS-COMM	ADVANCED GENSET CONTROL WITH GSM MODEM AND COMMS, PANEL MOUNT 200x148mm	**$**	**1,250.00**

Automatic Transfer Switches

DKG-173

DKG-171	AUTOMATIC TRANSFER SWITCH, PANEL MOUNT 72x72mm	**$**	**290.20**
DKG-173	AUTOMATIC TRANSFER SWITCH, DIN RAIL MOUNT	**$**	**276.30**
DKG-329	AUTOMATIC TRANSFER SWITCH WITH SYNC CHECK, PANEL MOUNT 172x134mm	**$**	**667.60**

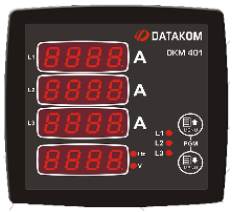
Voltage Regulators & Battery Chargers

AVR-12

AVR-12	ALTERNATOR VOLTAGE REGULATOR, 0-115VDC @230VAC, 0-10A	**$**	**284.30**
AVR-20	ALTERNATOR VOLTAGE REGULATOR, 0-115VDC @230VAC, 0-20A	**$**	**310.70**
BC125-M	BATTERY CHARGER SWITCH MODE, 170-300VAC INPUT ,12V 5A OUTPUT	**$**	**158.60**
BC245-M	BATTERY CHARGER SWITCH MODE, 170-300VAC INPUT ,24V 5A OUTPUT	**$**	**185.10**
SMPS-123	BATTERY CHARGER SWITCH MODE, 170-300VAC INPUT, 12 V 3A OUTPUT	**$**	**130.90**
SMPS-243	BATTERY CHARGER SWITCH MODE, 170-300VAC INPUT, 24V 3A OUTPUT	**$**	**185.10**

Panel Mounted Digital Multimeters

These state-of-the-art panel meters are designed for accurate measurement of the AC RMS voltage, AC RMS current, frequency, with user-selectable CT ratios from 5A to 5000A, accuracy class to 0.5, and easy to read displays



DM-0101-72	DIGITAL MULTIMETER 72x72mm, 1 PHASE, 170-275VAC, SINGLE LINE DISPLAY	**$**	**175.00**
DM-0301	DIGITAL MULTIMETER, 72x72mm, 1 PHASE,170-275VAC, 3 LINE DISPLAY	**$**	**244.60**
DA-0303	DIGITAL AMMETER 72x72mm, 3 PHASE, 5A CT, 170-275VAC AUX	**$**	**244.00**
DKM-401	DIGITAL MULTIMETER, 96x96mm, 3 PHASE, AMPS-VOLTS-HZ, 5A CT, 400VAC	**$**	**197.70**
DKM-405	DIGITAL MULTIMETER, 96x96mm, 3 PHASE,AMPS-VOLTS-HZ, MDI, 5A CT, 400VAC,	**$**	**215.00**

CONTROL RELAYS

FINDER - Temperature Monitoring (Thermistor Trip) Relays

70.92-024-ACDC	THERMISTOR TRIP RELAY, PTC, 2CO 8A@230VAC, SELECTABLE RESET TIME, 24VAC/DC	**$**	**195.50**
70.92-230-AC	THERMISTOR TRIP RELAY, PTC, 2CO 8A@230VAC, SELECTABLE RESET TIME, 230VAC	**$**	**195.50**

CROMPTON - Temperature Monitoring (Thermistor Trip) Relays

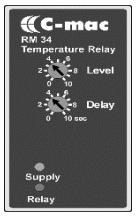
PMM-T	THERMISTOR TRIP RELAY, PTC, MANUAL RESET, 2 CO 8A@250VAC, 24-240VAC/DC	**$**	**323.90**

CROUZET - Frequency & Speed Monitoring Relays

HHZ	FREQUENCY RELAY, 40-70HZ, DPDT 5A@250VAC 120-277VAC	**$**	**752.10**
HSV	SPEED SENSING RELAY, PNP-NPN-NAMUR-V OR CONTACT INPUT, 24-240VAC/DC (84874320)	**$**	**597.00**

COMADAN - RM34 – Temperature Sensing Relay

For use with Pt100 sensors, built-in cable resistance compensation, -50°C to + 200°C in 4 switch selectable ranges, adjustable set point and reaction time delay



RM34-230V	TEMPERATURE CONTROL RELAY,11 PIN, PT100, 4 RANGES, 2 CO 5A@250VAC, 230VAC AUX	**$**	**481.70**
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**

Extra charge for isolated DC supply, see below

COMADAN - RF20 Frequency Monitoring Relay

Selectable 50Hz/60Hz nominal frequency, adjustable bandwidth from 1Hz to 10Hz, selectable delay 0.1 sec or 1 sec, 2-pole output relay 5A/250Vac

RF20-230VAC	FREQUENCY RELAY, 50 OR 60HZ, ADJUSTABLE 1-10HZ, SELECTABLE TIME DELAY	**$**	**423.40**
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**

COMADAN - RR10 – Tachometer Relay

RR10-220V-2000RPM	TACHOMETER RELAY,11 PIN, 2000 RPM PNP/NPN INPUT,1CO 8A@250VAC, 230VAC	**$**	**463.80**
RR10-220V-200RPM	TACHOMETER RELAY,11 PIN, 200 RPM PNP/NPN INPUT,1CO 8A@250VAC, 230VAC	**$**	**463.80**
RR10-230V-20K	TACHOMETER RELAY,11 PIN, 20K RPM PNP/NPN INPUT,1CO 8A@250VAC, 230VAC	**$**	**463.80**
RR10-NON-STK	TACHOMETER RELAY,11 PIN - NON STANDARD SETUP		**POA**
LR10-A-230	TACHOMETER/FREQUENCY CONVERTOR, DIN MOUNT, V, NPN/PNP INPUT, ANALOG OUT, 230VAC	**$**	**829.30**
LR10-A-712	TACHOMETER/FREQUENCY CONVERTOR, DIN MOUNT, V, NPN/PNP INPUT, ANALOG OUT, 12-50DC	**$**	**829.30**
LR10-R-712	TACHOMETER/FREQUENCY CONVERTOR, DIN MOUNT, V, NPN/PNP INPUT, RELAY OUT, 12-50VDC	**$**	**829.30**
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**

COMADAN -RD53 – Pulse Preselect or Pulse Divide Relay

Relay activation after pre-selected number of pulses. Accepts pulse input from mechanicaL contacts, NPN sensor, Namur sensor outputs. Pulse divide, e.g. after 10 pulses relay activates then resets. Thumb wheel digital setting from 2 to 999 pulses

RD53-220V	PULSE DIVIDER-COUNTER RELAY,11 PIN, NPN-NAMUR INPUT,1CO 8A@250VAC, 230VAC		**POA**
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**
CMAC-DC-SUPPLY-12	DC POWER SUPPLY,12-50VDC, FOR COMADAN RELAYS	**$**	**211.20**
CMAC-DC-SUPPLY-48	DC POWER SUPPLY, 85-370VDC, FOR COMADAN RELAYS	**$**	**310.70**

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CURRENT MONITORING RELAYS

CEL - RIPXL/RIPXH Current Monitoring Relays

A simple and convenient way to monitor the current draw of ac electric motors,fans,heating elements,etc.
Manufactured in New Zealand by Carrel-Electrade Ltd, models RIPXL and RIPXH are separately powered current monitoring relay with adjustable setpoint.Each unit has four ranges selected by DIP switches, and three model variations cover current ranges from 200mA to 100A.An off-delay function can be enabled by means of a DIP switch. This function holds the relay on for approximately one minute after the current falls below the set point.

Model RIPXH has a relay contact rating of 10A/250Vac (non-inductive load); RIPXL has a relay contact rating of 2A and is suitable for signalling or switching light loads. An external power supply of either 24Vac, 110Vac, 230Vac or 24Vdc is required to operate the relay.

RIPXL-200MA-2A	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 2A@125VAC, INPUT RANGE 200mA-2A	**$**	**304.00**
RIPXL-25-100A	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 2A@125VAC, INPUT RANGE 25-100A	**$**	**304.00**
RIPXL-5-20A	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 2A@125VAC, INPUT RANGE 5-20A	**$**	**304.00**
RIPXL-SPECIAL	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 2A@125VAC, CUSTOM INPUT RANGE	**$**	**330.50**
RIPXH-200MA-2A	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 10A@250VAC, INPUT RANGE 0.2-2A	**$**	**304.00**
RIPXH-25-100A	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 10A@250VAC, INPUT RANGE 25-100A	**$**	**304.00**
RIPXH-5-20A	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 10A@250VAC, INPUT RANGE 5-20A	**$**	**304.00**
RIPXH-EARTH-LEAK	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 10A@250VAC, CUSTOM DELAY RANGE	**$**	**304.00**
RIPXH-SPECIAL	CURRENT SENSING RELAY,12.7mm dia THRU-BORE, 1CO 10A@250VAC, CUSTOM INPUT RANGE	**$**	**330.50**

BROYCE - Control Current Monitoring Relays

True R.M.S. current monitoring from 0.2-10A, selectable over or under current monitoring with adjustable hysteresis, trip level and time delay. Supply voltage 24-230Vac/dc, SPDT 8A relay output,17.5mm wide DIN rail mounting.

LMCCR-2A	CURRENT MONITOR RELAY, OVER OR UNDER, 0.02-2A RANGE, 24-230VAC/DC AUX	**$**	**198.50**
LMCCR-10A	CURRENT MONITOR RELAY, OVER OR UNDER, 2, 5,10A RANGES, 24-230VAC/DC AUX	**$**	**198.50**

CROUZET - Current Monitoring Relays

The HIH current control relay offers control of ac and dc currents (automatically recognised)from 0.1 to 10 amps across 3 ranges: : 0.1-1A; 0.5-5A; 1-10A. The unit operates on either under or over current states and provides a selectable latching function, with an adjustable hysteresis and time delays on both power up and threshold crossing, in a 35mm wide DIN rail mounted package.

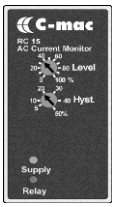
HIH	CURRENT MONITORING RELAY, 0.1-10A AC/DC RANGE, DPDT, 24-240VAC/DC AUX	**$**	**390.20**

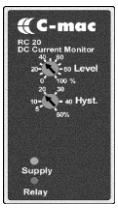
FINDER - Current Monitoring Relays

70.51-230-2032	CURRENT MONITORING RELAY, 0.05-16A AC/DC INPUT,SPDT@10A 230VAC	**$**	**370.10**

COMADAN - Current Monitoring Relays

For use with 1A or 5A current transformers, selectable activation or release of relay, adjustable hysteresis, DPDT/5A, 11-pin plug-in





RC15-220V-1A	CURRENT MONITORING RELAY,11 PIN BASE, 0.05-1A AC, 230VAC AUX	**$**	**324.90**
RC15-220V-5A	CURRENT MONITORING RELAY,11 PIN BASE, 0.25-5A AC, 230VAC AUX	**$**	**324.90**
RC20-220V-1-20MA	CURRENT MONITORING RELAY,11 PIN BASE, 1-20mA DC, 230VAC AUX	**$**	**306.90**
RC30-1-1-230-1	CURRENT MONITORING RELAY,11 PIN BASE, 0.1-20mA AC/DC, 230VAC AUX	**$**	**490.50**
RC30-1-1-230-2	CURRENT MONITORING RELAY,11 PIN BASE, 5-500mA AC/DC, 230VAC AUX	**$**	**490.50**
RC30-1-1-230-3	CURRENT MONITORING RELAY,11 PIN BASE, 0.05-6A AC/DC, 230VAC AUX	**$**	**490.50**
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**
CMAC-DC-SUPPLY-12	DC POWER SUPPLY,12-50VDC, FOR COMADAN RELAYS	**$**	**211.20**
CMAC-DC-SUPPLY-48	DC POWER SUPPLY, 85-370VDC, FOR COMADAN RELAYS	**$**	**310.70**

VOLTAGE MONITORING RELAYS

FINDER - Voltage Control Relays

A full range of DIN rail mounting single and three-phase voltage control relays for accurate monitoring and control of under and/or overvoltage conditions. The 70.11 is a 17.5mm wide single phase monitoring unit, while the 70.31/41/42 and 71.31 are 35mm wide

70.11-230	VOLTAGE MONITORING RELAY, 1 PHASE UNDER+OVER+WINDOW, 170-270VAC, (70.11.8.230)	**$**	**225.40**
70.31-400	VOLTAGE MONITORING RELAY, 3P3W UNDER+OVER+WINDOW, 380-415VAC (70.31.400.2022)	**$**	**257.60**
70.41-400	PHASE LOSS-ROTATION-ASYMMETRY-OVER+UNDER VOLT RELAY 3PH3W/4W, 380-415VAC, SPDT	**$**	**289.80**
70.42-400	PHASE LOSS-ROTATION-ASYMMETRY-OVER+UNDER VOLT RELAY 3P4W 380-415VAC, DPDT	**$**	**431.40**

CROUZET - Voltage Control Relays

A full range of DIN rail mounting single and three-phase voltage control relays for accurate monitoring and control of under and/or overvoltage conditions. The MU models are 17.5mm wide, while the H series are 35mm wide. These relays monitor their own supply (self powered)

MUS-12	UNDER OR OVER VOLTAGE CONTROL RELAY 9-15VDC,SPDT (84872140)	**$**	**436.70**
MUS-80	VOLTAGE CONTROL RELAY 20-80VAC/DC, SPDT 5A@250VAC (84872141)	**$**	**436.70**
MUS-260	UNDER OR OVER VOLTAGE CONTROL RELAY 65-260VAC/DC, SPDT (84872142)	**$**	**436.70**
MUSF-80	UNDER/OVER VOLTAGE WINDOW RELAY, 20-80VAC/DC, SPDT (84872151)	**$**	**482.70**
MUSF-240	UNDER/OVER VOLTAGE WINDOW RELAY, 65-260VAC/DC,SPDT (84872152)	**$**	**451.70**
HUH	UNDER OR OVER VOLTAGE CONTROL RELAY, 15-600V INPUT, 24-240VAC/DC AUX	**$**	**480.60**
H3US	PHASE LOSS, OVER +UNDER VOLTAGE RELAY, 3PH 3W 208-480VAC L-L, DPDT	**$**	**574.90**
H3USN	PHASE LOSS, OVER +UNDER VOLTAGE RELAY, 3PH 4W 3x120VAC OR 3x277VAC L-N, DPDT	**$**	**591.40**

BROYCE Voltage Control Relays

True R.M.S. current monitoring from 20-500Vac/dc, selectable over or under voltage monitoring with adjustable hysteresis, trip level and time delay. Supply voltage 24-230Vac/dc, SPDT 8A relay output,17.5mm wide DIN rail mounting

LMCVR-20V	VOLTAGE MONITOR RELAY, OVER OR UNDER, 1, 2, 5, 20VAC/DC RANGE, 24-230VAC/DC AUX	**$**	**198.50**
LMCVR-500V	VOLTAGE MONITOR RELAY, OVER OR UNDER, 2-500VAC/DC RANGE, 24-230VAC/DC AUX	**$**	**198.50**

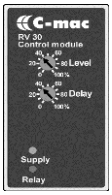
Windowed function true R.M.S. current monitoring relay from 12-240Vac/dc offering under and over voltage monitoring, selectable over and under voltage trip levels and time delay. Isolated supply voltage 24-230Vac/dc, SPDT 8A relay output, 17.5mm wide DIN rail mou

LMWVR	VOLTAGE MONITOR WINDOW TYPE 12-240VAC/DC, 24-230VAC	**$**	**155.90**

Under voltage monitor designed for battery applications, 17.5mm wide DIN rail mounting, with adjustable time delay (1-30s). Supply voltage 12-24 Vdc

LBVR/A	BATTERY VOLTAGE MONITOR RELAY, 8-30VDC	**$**	**121.30**

COMADAN - RV Series Voltage Monitoring Relays



RV20-220V-60MV	VOLTAGE SENSING RELAY,11 PIN, 3-60mVDC INPUT, 2CO 5A@250VAC,230VAC AUX	**$**	**306.90**
RV20-230V-5V	VOLTAGE SENSING RELAY,11 PIN, 0.25-5VDC INPUT, 2CO 5A@250VAC,230VAC AUX	**$**	**306.90**
RV20-230V-10V	VOLTAGE SENSING RELAY,11 PIN, 0.5-10VDC INPUT, 2CO 5A@250VAC,230VAC AUX	**$**	**306.90**
RV20-230V-50V	VOLTAGE SENSING RELAY,11 PIN, 2.5-50VDC INPUT, 2CO 5A@250VAC,230VAC AUX	**$**	**306.90**
RV30-1-1-115-3	VOLTAGE SENSING RELAY,11 PIN, 5-500VAC/DC INPUT,1CO 8A@250VAC, 115VAC AUX	**$**	**492.10**
RV30-1-1-230-1	VOLTAGE SENSING RELAY,11 PIN, 3mV-1VAC/DC INPUT,1CO 8A@250VAC, 230VAC AUX	**$**	**492.10**
RV30-1-1-230-2	VOLTAGE SENSING RELAY,11 PIN, 0.5-50VAC/DC INPUT,1CO 8A@250VAC, 230VAC AUX	**$**	**492.10**
RV30-1-1-230-3	VOLTAGE SENSING RELAY,11 PIN, 5-500VAC/DC INPUT,1CO 8A@250VAC, 230VAC AUX	**$**	**492.10**
RV30-1-4-012-1	VOLTAGE SENSING RELAY,11 PIN, 3mV-1VAC/DC INPUT,1CO 8A@250VAC, 12-50VDC AUX	**$**	**703.30**
RV30-1-4-012-2	VOLTAGE SENSING RELAY,11 PIN, 0.5V-50VAC/DC INPUT,1CO 8A@250VAC, 12-50VDC AUX	**$**	**703.30**
RV30-1-4-012-3	VOLTAGE SENSING RELAY,11 PIN, 5V-500VAC/DC INPUT,1CO 8A@250VAC, 12-50VDC AUX	**$**	**703.30**
RV30-1-4-048-3	VOLTAGE SENSING RELAY,11 PIN, 5V-500VAC/DC INPUT,1CO 8A@250VAC, 85-370VDC AUX	**$**	**802.80**
CMAC-DC-SUPPLY-12	DC POWER SUPPLY,12-50VDC, FOR COMADAN RELAYS	**$**	**211.20**
CMAC-DC-SUPPLY-48	DC POWER SUPPLY, 85-370VDC, FOR COMADAN RELAYS	**$**	**310.70**

COMADAN - RP10 – Single Phase Voltage Monitoring Relay

Single phase under & overvoltage (own supply) monitoring relay, DPDT 8A relay, separate adjustments for upper and lower limits, 11-pin plug-in

RP10-110V	1 PHASE UNDER/OVER VOLTAGE RELAY, 11 PIN, 2CO 5A@250VAC, 110VAC AUX	**$**	**309.30**
RP10-230V	1 PHASE UNDER/OVER VOLTAGE RELAY, 11 PIN, 2CO 5A@250VAC, 230VAC AUX	**$**	**309.30**
RP10-240V	1 PHASE UNDER/OVER VOLTAGE RELAY, 11 PIN, 2CO 5A@250VAC, 240VAC AUX	**$**	**309.30**
RP10-24VDC	1 PHASE UNDER/OVER VOLTAGE RELAY, 11 PIN, 2CO 5A@250VAC, 24VDC AUX	**$**	**309.30**

COMADAN RP30 Series 3-Phase Voltage Level Monitoring Relays

3-phase, phase to phase and phase to neutral under and overvoltage monitoring relays with adjustable upper and lower limit, monitors their own supply, 11-pin plug-in

RP30-110V	3 PHASE UNDER/OVER VOLTAGE RELAY, 11 PIN,1CO 8A@250VAC, 110VAC	**$**	**427.00**
RP30-220V	3 PHASE UNDER/OVER VOLTAGE RELAY,11 PIN,1CO 8A@250VAC, 230VAC	**$**	**-**
RP30-400V	3 PHASE UNDER/OVER VOLTAGE RELAY,11 PIN,1CO 8A@250VAC, 400VAC	**$**	**427.00**
RP30-415V	3 PHASE UNDER/OVER VOLTAGE RELAY,11 PIN,1CO 8A@250VAC, 415VAC	**$**	**460.00**
RP33-110V	3-PHASE-NEUTRAL VOLTAGE RELAY, WITH DELAY,11 PIN,1CO 8A@250VAC, 110VAC	**$**	**379.40**
RP33-230V	3-PHASE-NEUTRAL VOLTAGE RELAY, WITH DELAY,11 PIN,1CO 8A@250VAC, 230VAC	**$**	**-**
RP33-400V	3-PHASE-NEUTRAL VOLTAGE RELAY, WITH DELAY,11 PIN,1CO 8A@250VAC, 400VAC	**$**	**379.40**
RP33-415V	3-PHASE-NEUTRAL VOLTAGE RELAY, WITH DELAY,11 PIN,1CO 8A@250VAC, 415VAC	**$**	**412.40**
BASE90-21	BASE, DIN RAIL,11PIN FOR 60.13 AND COMADAN RELAYS 10A 250V	**$**	**17.50**

MOTOR PROTECTION AND EARTH LEAKAGE CONTROL RELAYS

GIC - Digital Phase and Voltage monitoring relay

Configurable Digital Phase and Voltage monitoring relay. Selectable Over/Under Voltage, asymmetry, phase loss, phase sequence, over/under frequency. Two separately programmable relay outputs, fail safe or non-fail safe configurable.

DMS120	DIGITAL PHASE FAILURE AND VOLTAGE MONITORING RELAY-145-500VAC	**$**	**262.50**

Broyce Control Earth Leakage Relays

Type A Earth Leakage Relays, designed to monitor and detect true R.M.S. earth fault currents (up to 30A) in conjunction with a separate C.T. , adjustable sensitivity (30mA to 30A), adjustable time delay (0-10s). LED bargraph provides constant indication of any leakage current. 2 x relay outputs standard and Positive Safety Output. 44mm wide, DIN rail mounting

ELRM44V3/2-230VAC	EARTH LEAKAGE RELAY TYPE 'A' 0.03-3A, 0.5S DELAY, 115/230VAC AUX	**$**	**350.00**
ELRM44V3/2-24VAC	EARTH LEAKAGE RELAY TYPE 'A' 0.03-3A, 0.5S DELAY, 24VAC AUX	**$**	**350.00**
ELRM44V-30-115/230	EARTH LEAKAGE RELAY TYPE 'A' 0.03-30A,10S DELAY, 115/230VAC AUX	**$**	**350.00**
ELRM44V-30-24VAC	EARTH LEAKAGE RELAY TYPE 'A' 0.03-30A,10S DELAY, 24VAC AUX	**$**	**350.00**

Core-balanced toroidal CTs for use with Type A Earth Leakage Relays

BZCT035

BZCT120

BZCT035	CT CORE BALANCED, 35mm BORE, FOR USE WITH ELRM44V	**$**	**207.90**
BZCT070	CT CORE BALANCED, 70mm BORE, FOR USE WITH ELRM44V	**$**	**304.90**
BZCT120	CT CORE BALANCED, 120mm BORE, FOR USE WITH ELRM44V	**$**	**304.90**
BZCT160	CT CORE BALANCED, 160mm BORE, FOR USE WITH ELRM44V	**$**	**346.50**
BZCT210	CT CORE BALANCED, 210mm BORE, FOR USE WITH ELRM44V	**$**	**429.70**

Other CT sizes available on indent

Motor Protection Relays for pumps and motors without using level sensors

Ideal for protection of pump motors in industrial and agricultural situations without requiring a level sensor to detect dry running. The great advantage of these relays is that, by using the motor itself as a sensor and without requiring any external detectors,they monitor the cos φ of the motor and stop it before a breakdown caused by dry running, cavitation or closed valve occurs.

PS-11-R	PUMP PROTECTION RELAY,1PHASE, 0.37-1.5kW,1NC 5A@250VAC	**$**	**244.60**
PS-15-24	OPEN FRAME P/S 15W, 24VDC	**$**	**46.40**
PS-16-R	PUMP PROTECTION RELAY,1 PHASE, 0.37- 2.2KW,1NC 5A@250VAC	**$**	**429.70**
PF-16-R	PUMP PROTECTION RELAY, 3PHASE 400VAC,1.5-7.5kW,1NC+1NO 5A@250VAC	**$**	**594.90**
PF-47-R	PUMP PROTECTION RELAY, 3PHASE 400VAC,7.5-18.5kW,1NC+1NO 5A@250VAC	**$**	**661.00**
OD-PF	EXTERNAL DISPLAY MODULE FOR PF16R-PF47R RELAYS	**$**	**99.20**

PHASE MONITORING RELAYS

FINDER - Phase Control Relays

A full range of DIN rail mounting single and three-phase voltage control relays for accurate monitoring and control of under and/or (make contact opens if the relay detects an error)

70.31-400	VOLTAGE MONITORING RELAY, 3P3W UNDER+OVER+WINDOW, 380-415VAC (70.31.400.2022)	$	257.60
70.41-400	PHASE LOSS-ROTATION-ASYMMETRY-OVER+UNDER VOLT RELAY 3PH3W/4W, 380-415VAC, SPDT	$	289.80
70.42-400	PHASE LOSS-ROTATION-ASYMMETRY-OVER+UNDER VOLT RELAY 3P4W 380-415VAC, DPDT	$	431.40
70.51-230-2032	CURRENT MONITORING RELAY, 0.05-16A AC/DC INPUT,SPDT@10A 230VAC	$	370.10
70.61-400	PHASE LOSS + ROTATION, RELAY 208-480VAC, SPDT (70.61.8.400.0000)	$	167.40
70.62-400	PHASE LOSS + ROTATION, RELAY 208-480VAC, DPDT (70.62.8.400.0000)	$	218.90

CROUZET - Phase Control Relays

A full range of DIN rail mounted 3-phase phase control relays monitoring their own supply (self powered). M series are 17.5mm wide; H series are 35mm wide, and all units are multivoltage input

HWUA	PHASE LOSS-SEQUENCE-ASYMMETRY-OVER-UNDER VOLTAGE RELAY, 3P3W 208-480V	$	531.80
MWA	PHASE SEQUENCE, FAIL AND ASYMMETRY RELAY, SPDT 8A@250VAC, 208-480VAC	$	481.10
MWS	PHASE CONTROL RELAY, 3 PHASE 208/480VAC, SPDT 8A@250VAC	$	314.40
MWS2	PHASE CONTROL RELAY, 3 PHASE 208/440VAC, DPDT 8A@250VAC	$	352.50
MWU	PHASE SEQUENCE, FAIL, UNDERVOLTAGE RELAY, SPDT 8A@250VAC	$	330.00
MWUA	PHASE SEQUENCE, FAIL, ASYMMETRY, UNDER-OVER VOLTS, 3PH 208-480VAC, SPDT 8A@250VA	$	459.40

COMADAN - RP30 Series Phase Asymmetry Relays (Plug-in)

3-Phase monitoring relays, monitoring correct phase sequence/asymmetry and/or phase failure,monitors its own supply, 11-pin plug-in

RP31-110V	3 PHASE SEQUENCE AND ASSYMETRY RELAY,11 PIN,1CO 8A@250VAC, 110VAC	$	309.30
RP31-400V	3 PHASE SEQUENCE AND ASSYMETRY RELAY,11 PIN,1CO 8A@250VAC, 400VAC	$	309.30
RP31-415V	3 PHASE SEQUENCE AND ASSYMETRY RELAY,11 PIN,1CO 8A@250VAC, 415VAC	$	309.30
RP32.1-1-3-110V	3-PHASE SEQ AND PHASE FAIL 110VAC SPDT	$	290.80
RP32.1-2-3-110V	3-PHASE SEQ AND PHASE FAIL 110V DPDT	$	290.80
RP32-1-110V	THREE PHASE SEQUENCE AND PHASE FAIL RELAY,11 PIN,1CO 8A@250VAC, 110VAC	$	290.80
RP32-1-220V	THREE PHASE SEQUENCE AND PHASE FAIL RELAY,11 PIN,1CO 8A@250VAC, 230VAC	$	290.80
RP32-400V	3 PHASE SEQUENCE AND PHASE FAIL RELAY,11 PIN,1CO 8A@250VAC,400VAC	$	293.40
RP32-415V	3 PHASE SEQUENCE AND PHASE FAIL RELAY,11 PIN,1CO 8A@250VAC, 415VAC	$	293.40
RP32T-400V	3 PHASE FAIL RELAY, 3 SEC DELAY,11 PIN,1CO 8A@250VAC,400VAC	$	257.80
RP32T-415V	3 PHASE FAIL RELAY, 3 SEC DELAY,11 PIN,1CO 8A@250VAC,415VAC	$	297.70

COMADAN - FP30 Series Phase Monitoring Relays (DIN Rail mount)

3-phase monitoring relays, adjustable set point, ON and OFF delay, 1s fixed

FP30-110-30-31	3 PHASE UNDER/OVER VOLTAGE RELAY, DIN MOUNT,1CO 8A@250VAC, 110VAC	$	343.70
FP30-110-40-22	3 PHASE UNDER/OVER VOLTAGE RELAY, 11 PIN,1CO 8A@250VAC, 110VAC	$	343.70
FP30-110V	3 PHASE UNDER/OVER VOLTAGE RELAY, DIN RAIL,1CO 8A@250VAC,110VAC	$	365.60
FP30-400V	3 PHASE UNDER/OVER VOLTAGE RELAY, DIN RAIL,1CO 8A@250VAC, 400VAC	$	365.60
FP31-110V	3 PHASE SEQUENCE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC, 110VAC	$	365.60
FP31-400V	3 PHASE SEQUENCE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC, 400VAC	$	365.60
FP31-415V	3 PHASE SEQUENCE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC, 415VAC	$	365.60
FP34-110-99-33	3 PHASE SEQUENCE U/O VOLTAGE AND ASSYMETRY RELAY, DIN RAIL, CUSTOM SPEC,110VAC	$	365.60
FP34-110V	3 PHASE SEQUENCE U/O VOLTAGE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC,110VAC	$	365.60
FP34-400-40-44	3 PHASE SEQUENCE U/O VOLTAGE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC,400VAC	$	365.60
FP34-400V	3 PHASE SEQUENCE U/O VOLTAGE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC,400VAC	$	365.60
FP34-415V	3 PHASE SEQUENCE U/O VOLTAGE AND ASSYMETRY RELAY, DIN RAIL,1CO 8A@250VAC,415VAC	$	365.60

COMADAN - RP81 Load Guard Relay

Load guard for 3-phase motors, measures power factor / phase angle, current 0.5A to 6A (>6A with external CT). Adjustable phase angle cos φ 0 to 0.9, adjustable time delay 0 to 20 seconds,1-pole relay output 8A/250Vac

RP81-400V	LOAD GUARD FOR 3-PHASE MOTORS, COS PHI, 11 PIN, 1 CO 8A@250VAC, 400VAC	$	430.60
ZB11	RELAY BASE, 11 PIN, DIN RAIL MOUNT, 400VAC RATED (MT78 760)	$	32.40

COMADAN - RP91 Power Guard Relay

Power monitoring for single and 3-phase motors, monitors current up to 6A direct connect or CT output. Adjustable time delay at motor start and motor overload. Power metering V x I x cos φ, metering output, 0-1mA indicates power consumption. 1-pole relay output 8A/250Vac

RP91-1-3-400-24	LOAD GUARD 1 AND 3 PHASE MOTORS, START+TRIP DELAY, 11PIN, 1 CO 8A@250VAC, 400VAC	$	736.30
RP91-400V	LOAD GUARD 1 AND 3 PHASE MOTORS, START+TRIP DELAY, 11PIN, 1 CO 8A@250VAC, 400VAC	$	736.30
RP91-415V	LOAD GUARD 1 AND 3 PHASE MOTORS, START+TRIP DELAY, 11PIN, 1 CO 8A@250VAC, 415VAC	$	736.30
ZB11	RELAY BASE, 11 PIN, DIN RAIL MOUNT, 400VAC RATED (MT78 760)	$	32.40

LIQUID LEVEL RELAYS AND FLOAT SWITCHES

CEL - Conductive Liquid Level Control Relays

The R-LVL level controller for conductive liquids provides monitoring of up to 4 different levels,enabling two pump fill and empty operations to be controlled by one unit. An optional third relay can provide alarm condition signalling in two pump fill and empty applications. built-in logic to recognise fault conditions on the level sensor inputs, and four sensitivity settings to cover applications from salt water to clean water

R-LVL-230V	LEVEL CONTROL RELAY, DIN RAIL, UP TO 4 LEVELS, 3 CO 10A@250VAC, 230VAC	**$**	**339.30**

FINDER - Conductive Liquid Level Control Relays & Accessories

72.01-024-AC	LEVEL CONTROL RELAY, UP/DOWN, 1CO16A@250VAC, 24VAC (72.01.8.024.0000)	**$**	**182.80**
72.01-024-DC	LEVEL CONTROL RELAY, UP/DOWN, 1CO16A@250VAC, 24VDC (72.01.9.024.0000)	**$**	**182.80**
72.01-240-AC	LEVEL CONTROL RELAY, UP/DOWN, 1CO16A@250VAC, 230VAC (72.01.8.240.0000)	**$**	**182.80**
072.11	FLOOR WATER SENSOR FOR 72 SERIES RELAYS	**$**	**64.90**
072.50.0	STAINLESS STEEL CONDUCTIVE PROBE 500mm L 4mm DIA	**$**	**29.00**
072.50.1	STAINLESS STEEL ELECTRODE CONNECTOR 4mm	**$**	**17.30**
072.50.3	PROBE SEPARATOR 3-POLE, FOR 072.53 RODS	**$**	**6.50**
072.51	ELECTRODE HOLDER - 2 POLE	**$**	**125.40**
072.53	ELECTRODE HOLDER - 3 POLE	**$**	**226.10**
072.01.06	SUSPENDED ELECTRODE FOR CONDUCTIVE LIQUIDS, 6M CABLE	**$**	**72.10**
072.01.15	SUSPENDED ELECTRODE FOR CONDUCTIVE LIQUIDS, 15M CABLE	**$**	**88.10**
72.42-024	PRIORITY CHANGE RELAY, 2NO12A@250VAC, 24VAC/DC	**$**	**214.80**
72.42-230	PRIORITY CHANGE RELAY, 2NO12A@250VAC,110-240VAC/DC	**$**	**214.80**

CROUZET - Conductive Liquid Level Control Relays

ENR-230	LEVEL CONTROL RELAY, 2 LEVEL, CONDUCTIVE PROBE INPUT, 24-230VAC/DC (84870100)	**$**	**252.00**
ENRM-230	LEVEL CONTROL RELAY, 2 LEVEL WITH TIMER,INPUT, 24-230VAC/DC 84870210	**$**	**384.70**
HNM	LEVEL CONTROL RELAY, CONDUCTIVE PROBE INPUT, 24-240VAC/DC (88980124)	**$**	**320.10**
S8-PROBE	3-PROBE HOLDER c/w 1M PROBES	**$**	**199.00**

Comadan - Conductive Liquid Level Control Relays

RL10-220V	LEVEL CONTROL RELAY,11 PIN, CONDUCTIVE PROBE INPUT, 1CO 8A@250VAC, 230VAC	**$**	**358.40**
RL10-24DC-1P	LEVEL CONTROL RELAY,11 PIN, CONDUCTIVE PROBE INPUT,1CO 8A@250VAC, 24VDC	**$**	**358.40**
RL10-24VAC	LEVEL CONTROL RELAY,11 PIN, CONDUCTIVE PROBE INPUT, 2CO 5A@250VAC, 24VAC	**$**	**358.40**
RL10-24VDC	LEVEL CONTROL RELAY,11 PIN, CONDUCTIVE PROBE INPUT, 2CO 5A@250VAC, 24VDC	**$**	**358.40**
RL10-NON-STK	LEVEL CONTROL RELAY,11 PIN, CONDUCTIVE PROBE INPUT,1CO 8A@250VAC, NON STANDARD	**$**	**-**

FINDER FLOAT SWITCHES - Two Chamber - Neoprene Cable

For use in grey water pumping and drainage, come with a 110gram counterweight

72.A1-NEO-0501	FLOAT SWITCH, 2 CHAMBER,1CO 10A@250VAC, 5M NEOPRENE CABLE (72.A1.1.000.0501)	**$**	**118.40**
72.A1-NEO-1001	FLOAT SWITCH, 2 CHAMBER,1CO 10A@250VAC,10M NEOPRENE CABLE (72.A1.1.000.1001)	**$**	**179.70**
72.A1-NEO-2001	FLOAT SWITCH, 2 CHAMBER,1CO 10A@250VAC, 20M NEOPRENE CABLE (72.A1.1.000.2001)	**$**	**303.70**

Two Chamber - Cable and plastics ACS certified for Clean water and Foodstuffs

For use in foodstuff and potable water, swimming pools with high levels of chlorine or salt water, with 110gram counterweight

72.A1.1.000.0502	FLOAT SWITCH, 2 CHAMBER, POTABLE WATER, 5M ACS CABLE (72.A1.1.000.0502)	**$**	**203.10**

Three Chamber Float Switches - neoprene cable

For use in blackwater systems, drainage and pumping stations. Counterweight included

72.B1-NEO-1001	FLOAT SWITCH, 3 CHAMBER,1CO 10A@250VAC,10M NEOPRENE CABLE (72.B1.1.000.1001)	**$**	**343.70**
72.B1-NEO-2001	FLOAT SWITCH, 3 CHAMBER,1CO 10A@250VAC, 20M NEOPRENE CABLE (72.B1.1.000.2001)	**$**	**465.60**
72.B1-NEO-3001	FLOAT SWITCH, 3 CHAMBER,1CO 10A@250VAC, 30M NEOPRENE CABLE (72.B1.1.000.3001)	**$**	**610.00**

Specialty Float Switches

Suitable in applications where there isn't the swing room for a traditional float switch. Suitable for submersable pumps, pump tanks, lifting systems, clean/cloudy waste water and industrial chemicals

72.C1-0201	FLOAT SWITCH, COMPACT, ON/OFF SWITCH,1CO10A@250VAC, 2M NEOPRENE CABLE	**$**	**206.00**

Due to volatile international material costs, prices may change at short notice.
check before ordering

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PHOTOELECTRIC SENSORS

PANASONIC - Water Detection Sensors

EZ11	PE SENSOR-WATER DETECTOR 5M 12/24VDC NPN	$	1,203.80
EZ11PN	PE SENSOR-WATER DETECTOR 5M 12/24VDC PNP	$	1,203.80
EXF71	LEAK DETECTION SENSOR 12/24VDC NPN	$	441.40

EZ11 Sensor

EXF71 Leak Detection Sensor

PANASONIC - Metal Sheet Double-Feed Detection Sensors 2-metre cable, IP66

GD10	DOUBLE SHEET DETECTOR USE GD-C1	$	447.60
GD20	DOUBLE SHEET DETECTOR 70mm USE GD-C1	$	1,086.60
GD20-C10	DOUBLE SHEET DETECTOR c/w 10M CABLE (obsolete)	$	1,796.90
GD20-C20	DOUBLE SHEET DETECTOR c/w 20M CABLE (obsolete)	$	1,796.90
GDC1	CONTROLLER FOR GD SERIES 12/24VDC (obsolete)	$	4,056.70

PANASONIC - Colour Recognition Sensors – Three Colour LED

Teachable colour mark sensor with red, green and blue LED's, allows pre-determined colours to be detected as signal marks, 12-24Vdc, IP67

LX101	PE SENSOR, LASER COLOUR-MARK TYPE, 12-24VDC NPN, 2M CABLE	$	770.20
LX101-P	PE SENSOR, LASER COLOUR-MARK TYPE, 12-24VDC PNP, 2M CABLE	$	770.20
LX101-P-Z	PE SENSOR, LASER COLOUR-MARK TYPE, 12-24VDC PNP, M12 CONNECTOR	$	770.20

DATALOGIC - Colour Recognition Sensors – Colour LED

TL46-A-425	CONTRAST SENSOR, WHITE LED SPOT, 10-30Vdc,, NPN OUTPUT, M12	$	648.90
TL46-W815	CONTRAST SENSOR, RGB LED SPOT, DELAY INPUT, 10-30Vdc NPN/PNP OUTPUT, M12	$	648.90
TL46-WLF-815	CONTRAST SENSOR, 8mm RGB LED SPOT, REMOTE AQUIISITION,10-30Vdc NPN/PNP OUTPUT, M	$	939.90

PANASONIC - Sub-miniature Sensors (12-24Vdc) – IP66

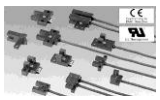
EX11A	PE SENSOR-THRU-BEAM LIGHT-ON 150mm 12/24VDC NPN	$	227.10
EX11B	PE SENSOR-THRU-BEAM DARK-ON 150mm 12/24VDC NPN	$	227.10
EX11EA	PE SENSOR-THRU-BEAM LIGHT-ON 150mm 12/24VDC NPN	$	227.10
EX11EB	PE SENSOR-THRU-BEAM DARK-ON 150mm 12/24VDC NPN	$	227.10
EX13A	PE SENSOR-THRU-BEAM LIGHT-ON 500mm 12/24VDC NPN	$	227.10
EX13A-PN	PE SENSOR-THRU-BEAM LIGHT-ON 500mm 12/24VDC PNP	$	227.10
EX13B	PE SENSOR-THRU-BEAM DARK-ON 500mm 12/24VDC NPN	$	227.10
EX13BPN	PE SENSOR-THRU-BEAM DARK-ON 500mm 12/24VDC PNP	$	227.10
EX13EA	PE SENSOR-THRU-BEAM LIGHT-ON 500mm 12/24VDC NPN	$	227.10
EX13EB	PE SENSOR-THRU-BEAM DARK-ON 500mm 12/24VDC NPN	$	227.10
EX13EBPN	PE SENSOR-THRU-BEAM DARK-ON 500mm 12/24VDC PNP	$	227.10
EX14A	PE SENSOR-DIFFUSE LIGHT-ON 2-25mm 12/24VDC NPN	$	208.80
EX14A-PN	PE SENSOR-DIFFUSE LIGHT-ON 2-25mm 12/24VDC PNP	$	208.80
EX14B	PE SENSOR-DIFFUSE DARK-ON 2-25mm 12/24VDC NPN	$	208.80

PANASONIC - EX-30 Series Threaded Miniature Sensors

Amplifier Built-In, with sensitivity adjustment and high response speed, 12-24Vdc, IP67

EX31A	PE SENSOR-M4 MOUNT THRU-BEAM LIGHT-ON 12/24VDC NPN	$	302.40
EX31A-PN	PE SENSOR-M4 MOUNT THRU-BEAM LIGHT-ON 12/24VDC PNP	$	610.00
EX31B	PE SENSOR-M4 MOUNT THRU-BEAM DARK-ON 12/24VDC NPN	$	302.40
EX32A	PE SENSOR-M6 MMOUNT DIFFUSE LIGHT-ON 12/24VDC NPN	$	302.40
EX32B	PE SENSOR-M6 MMOUNT DIFFUSE DARK-ON 12/24VDC NPN	$	302.40
EX3D300E	PE SENSOR-DIFFUSE SIDE SENSE 300mm 12/24VDC NPN	$	334.70
EX43	PE SENSOR-DIFFUSE SPOT BEAM 20-35mm 12/24VDC NPN	$	273.90

PANASONIC - "U" Shaped Sensors (12-24Vdc)



PMK44	THRU-BEAM SLOT 5mm 5/24VDC LIGHT/DARK	$	50.90
PMK65	PE SENSOR, THRU-BEAM SLOT 6mm 5/24VDC, NPN NO	$	50.90

PANASONIC -Sensor Controllers

NPSC7	SENSOR CONTROLLER, EXTERNAL SYNC, 100/240VAC RELAY/NPN	$	196.00
NPSC7W	SENSOR CONTROLLER DUAL INPUT, 100/240VAC 2xRELAY/NPN	$	210.00
NPSCT7	SENSOR CONTROLLER EXTERNAL SYNC , WITH TIMER ,100/240VAC	$	240.00

PANASONIC - Output Signal Converters

EM901NP	CONVERTER, NPN-PNP	$	79.60
E-NPN-PNP-24V	SIGNAL CONVERTER, NPN TO PNP 24VDC	$	79.60
E-PNP-NPN-24V	SIGNAL CONVERTER, PNP TO NPN 24VDC	$	79.60

PHOTOELECTRIC SENSORS

PANASONIC - FX-Series Fibre Optic Sensor

FX305	PE SENSOR, FIBRE OPTIC, RED LED, BUTTON CONTROL, 12/24VDC NPN	$	430.70
FX305-P	PE SENSOR, FIBRE OPTIC, RED LED, BUTTON CONTROL, 12/24VDC PNP	$	430.70
FX311	PE SENSOR, FIBRE OPTIC, RED LED, MANUAL CONTROL, 12/24VDC NPN	$	305.70
FX311-P	PE SENSOR, FIBRE OPTIC, RED LED, MANUAL CONTROL, 12/24VDC PNP	$	305.70
FX501	PE SENSOR, FIBRE OPTIC, RED LED, BUTTON CONTROL, 12/24VDC NPN	$	364.00
FX501P	PE SENSOR, FIBRE OPTIC, RED LED, BUTTON CONTROL, 12/24VDC PNP	$	364.00
FX505-P-C2	PE SENSOR, FIBRE OPTIC SENSOR, RED LED, BUTTON CONTROL, 12/24VDC PNP, 2M CABLE	$	442.90
FX551-C2	PE SENSOR, FIBRE OPTIC SENSOR, RED LED, BUTTON CONTROL, 12/24VDC NPN, 2M CABLE	$	279.10
FX551P-C2	PE SENSOR, FIBRE OPTIC SENSOR, RED LED, BUTTON CONTROL, 12/24VDC PNP, 2M CABLE	$	279.10
CN-74-C5	CABLE FOR FX502, 5M	$	59.40

FX-505 Analogue Output Fibre Optic Sensor

FX505-P-C2	PE SENSOR, FIBRE OPTIC SENSOR, RED LED, BUTTON CONTROL, 12/24VDC PNP, 2M CABLE	$	442.90

FZ-11 Colour Recognition Fibre Optic Sensor

FZ11	FIBRE OPTIC COLOUR DISC 12/24VDC NPN	$	1,996.60
FZ11P	FIBRE OPTIC COLOUR DISC 12/24VDC PNP	$	1,996.60
FDL51	PE SENSOR-DIFFUSE FIBRE STANDARD FOR FZ-11 1m	$	291.40
FDL52	PE SENSOR-DIFFUSE FIBRE PRECISION FOR FZ-11 1m	$	291.40
FDL54	PE SENSOR-DIFFUSE FIBRE LONG RANGE FOR FZ-11 1m	$	291.40

Fibre Optic Cables for FX Series

Fibre optic cables featuring new "Tough Fibre", offering a break-free fibre cable with greater flexibility and improved performance

FD61	DIFFUSE FIBRE 2M CUTTABLE	$	75.30
FD62	PE SENSOR-DIFFUSE FIBRE 2M CUTTABLE LONGRANGE	$	131.30
FDF4	PE SENSOR-DIFFUSE FIBRE PIPE MOUNT 2m CUTTABLE	$	376.50
FDR80	PE SENSOR-DIFFUSE FIBRE WITH ELBOW 2m CUTTABLE	$	202.40
FT43	PE SENSOR, THRU-BEAM FIBRE 2m CUTTABLE LONG RANGE	$	131.30
FT42	PE SENSOR, THRU-BEAM FIBRE 2m REPLACES FTFM2 & FT500	$	105.00

Fibre Optic Cable Accessories

FDP500	PE SENSOR-PROTECTIVE SLEEVE M6 500mm	$	68.40
FDP1000	PE SENSOR-PROTECTIVE SLEEVE M6 1m	$	75.30
FDP1500	PE SENSOR-PROTECTIVE SLEEVE M6 1.5m	$	82.20
FDPN1500	PE SENSOR-PROTECTIVE SLEEVE M4 1.5m	$	83.30
FXCT1	FIBRE CABLE CUTTER	$	6.70
FXLE1	LENS FOR THRU-BEAM FIBRE OPTIC	$	30.30
FXSV1	LENS, RIGHT ANGLE FOR THRU-BEAM FIBRE	$	52.50
FXMR1	LENS, PINPOINT SPOT FOR FD-G FIBRE	$	79.90
FXMR2	LENS ZOOM FOR FD-G FIBRE	$	127.80
FXMR5	LENS RIGHT ANGLE ZOOM FOR FD-G FIBRE	$	210.00
FTP500	PE SENSOR, PROTECTIVE SLEEVE M4 500mm	$	68.40

PHOTOELECTRIC SENSORS

AUTONICS - General Purpose Sensors (24-240Vac/dc) – Terminal connection, IP66

Multivoltage photoelectric sensors with relay output (3A SPDT) complete with mounting brackets and reflector for retro-reflective type terminal connectors for wiring. Light-on or dark-on selectable by switch, adjustable sensitivity, IP66 protection.Timer models offer ON-delay, OFF-delay and ONE SHOT-delay options

BX15M-TFR	PE SENSOR, THRU-BEAM, 15M RANGE, 1 CO 3A@250VAC, 24-240VAC/DC	**$**	**325.00**
BX15M-TFR-T	PE SENSOR, THRU-BEAM WITH TIMER, 15M RANGE, 1CO 3A@250VAC, 24-240VAC/DC	**$**	**357.80**
BX5M-MFR	PE SENSOR, RETRO-REFLECTIVE, 5M RANGE, 1CO 3A@250VAC, 24-240VAC/DC	**$**	**297.20**
BX5M-MFR-T	PE SENSOR, RETRO-REFLECTIVE WITH TIMER, 5M RANGE, 1CO 3A@250VAC, 24-240VAC/DC	**$**	**333.60**
BX700-DFR	PE SENSOR, DIFFUSE-REFLECTIVE, 700mm RANGE,1CO 3A@250VAC, 24-240VAC/DC	**$**	**325.00**
BX700-DFR-T	PE SENSOR, DIFFUSE-REFLECTIVE WITH TIMER, 700mm RANGE, CO 3A@250V, 24-240VAC/DC	**$**	**357.80**

AUTONICS - General Purpose Sensors Pre-wired 2-metre cable

BEN5M-MDT	RETRO SENSOR, 0-5M LIGHT/DARK-ON PNP/NPN OUT 12-24VDC	**$**	**266.80**
BEN5M-MFR	RETRO SENSOR, 0-5M LIGHT/DARK-ON RELAY OUT 24-240V AC/DC	**$**	**266.80**

PANASONIC - Adjustable Range (0.2 - 2.5m) Fixed Focus Diffuse sensors 12-24VDC

EQ34	PE SENSOR - DIFFUSE, 0.2-2M RANGE, 12/24VDC, NPN OUTPUT, 2M CABLE	**$**	**387.90**
EQ34J	PE SENSOR - DIFFUSE, 0.2-2M RANGE, 12/24VDC, NPN OUTPUT, M12 PLUG-IN	**$**	**422.10**
EQ34PN	PE SENSOR - DIFFUSE, 0.2-2M RANGE,12/24VDC, PNP OUTPUT, 2M CABLE	**$**	**387.90**
EQ34PNJ	PE SENSOR - DIFFUSE, 0.2-2M RANGE,12/24VDC, PNP OUTPUT, M12 PLUG-IN	**$**	**422.10**

PANASONIC -Adjustable Range (0.2 - 2.5m) Fixed Focus Diffuse sensors 24-240VAC/12-240VDC

EQ501	PE SENSOR- DIFFUSE, 0.2-2.5M, 24-240VAC/DC, 2M CABLE	**$**	**342.30**
EQ501T	PE SENSOR- DIFFUSE WITH TIMER, 0.2-2.5M, 24-240VAC/DC, 2M CABLE	**$**	**399.40**
EQ511	PE SENSOR- DIFFUSE, 0.2-2.5M, 12/24VDC NPN/PNP, 2M CABLE	**$**	**342.30**
EQ511T	PE SENSOR- DIFFUSE WITH TIMER, 0.2-2.5M, 12/24VDC, NPN/PNP, 2M CABLE	**$**	**399.40**

PHOTOELECTRIC SENSORS

PANASONIC - CX 400 Series

CX411	PE SENSOR - THRU-BEAM 10M,12-24VDC NPN, 2M CABLE	$	251.10
CX411-C5	PE SENSOR - THRU-BEAM 10M,12-24VDC NPN, 5M CABLE	$	305.80
CX411-J	PE SENSOR - THRU-BEAM 10M,12-24VDC NPN, M12 CONNECTOR	$	251.10
CX411-P	PE SENSOR - THRU-BEAM 10M,12-24VDC PNP, 2M CABLE	$	251.10
CX411-P-C5	PE SENSOR - THRU-BEAM 15M,12-24VDC PNP, 5M CABLE	$	305.80
CX411-P-J	PE SENSOR - THRU-BEAM 15M,12-24VDC PNP, M12 CONNECTOR	$	251.10
CX411-P-Z	PE SENSOR - THRU-BEAM 15M,12-24VDC PNP, M8 CONNECTOR	$	268.20
CX412	PE SENSOR - THRU-BEAM 15M,12-24VDC NPN, 2M CABLE	$	285.30
CX412-P	PE SENSOR - THRU-BEAM 15M,12-24VDC PNP, 2M CABLE	$	285.30
CX421	PE SENSOR - DIFFUSE 300mm,12-24VDC NPN, 2M CABLE	$	227.10
CX421-P	PE SENSOR - DIFFUSE 300mm,12-24VDC PNP, 2M CABLE	$	227.10
CX421-P-Z	PE SENSOR - DIFFUSE 300mm,12-24VDC PNP, M8 CONNECTOR	$	227.10
CX421-Z	PE SENSOR - DIFFUSE 300mm,12-24VDC NPN, M8 CONNECTOR	$	227.10
CX422	PE SENSOR - DIFFUSE 800mm,12-24VDC NPN, 2M CABLE	$	227.10
CX422-P	PE SENSOR - DIFFUSE 800mm,12-24VDC PNP, 2M CABLE	$	227.10
CX422-P-Z	PE SENSOR - DIFFUSE 800mm,12-24VDC PNP, M8 CONNECTOR	$	227.10
CX422-Z	PE SENSOR - DIFFUSE 800mm,12-24VDC NPN, M8 CONNECTOR	$	227.10
CX423	PE SENSOR - DIFFUSE NARROW BEAM 70-300mm,12-24VDC NPN, 2M CABLE	$	242.80
CX423-P	PE SENSOR - DIFFUSE NARROW BEAM 70-300mm,12-24VDC PNP, 2M CABLE	$	242.80
CX423-P-Z	PE SENSOR - DIFFUSE NARROW BEAM 70-300mm,12-24VDC PNP, M8 CONNECTOR	$	257.80
CX424	PE SENSOR - DIFFUSE,100mm,12-24VDC NPN, 2M CABLE	$	227.10
CX424-P	PE SENSOR - DIFFUSE,100mm,12-24VDC PNP, 2M CABLE	$	227.10
CX424-P-C5	PE SENSOR - DIFFUSE, 100mm,12-24VDC PNP, 5M CABLE	$	275.10
CX441	PE SENSOR - DIFFUSE, 2mm SPOT, 2-50mm,12-24VDC NPN, 2M CABLE	$	313.80
CX441-P	PE SENSOR - DIFFUSE, 2mm SPOT, 2-50mm,12-24VDC PNP, 2M CABLE	$	313.80
CX441-Z	PE SENSOR - DIFFUSE, 2mm SPOT, 2-50mm,12-24VDC NPN, M8 CONNECTOR	$	298.80
CX442	PE SENSOR - DIFFUSE 30-200mm,12-24VDC NPN, 2M CABLE	$	313.80
CX442-P	PE SENSOR - DIFFUSE 30-200mm,12-24VDC PNP, 2M CABLE	$	313.80
CX442-P-Z	PE SENSOR - DIFFUSE 30-200mm,12-24VDC PNP, M8 CONNECTOR	$	313.80
CX442-Z	PE SENSOR - DIFFUSE 30-200mm,12-24VDC NPN, M8 CONNECTOR	$	313.80
CX443	PE SENSOR - DIFFUSE, 6.5mm SPOT, 2-50mm,12-24VDC NPN, 2M CABLE	$	418.30
CX443-P	PE SENSOR - DIFFUSE, 6.5mm SPOT, 2-50mm,12-24VDC PNP, 2M CABLE	$	418.30
CX443-P-Z	PE SENSOR - DIFFUSE, 6.5mm SPOT, 2-50mm ,12-24VDC PNP, M8 CONNECTOR	$	418.30
CX443-Z	PE SENSOR - DIFFUSE 20-50mm,12-24VDC NPN, M8 CONNECTOR	$	398.40
CX444	PE SENSOR - DIFFUSE 15-100mm,12-24VDC NPN, 2M CABLE	$	313.80
CX444-P	PE SENSOR - DIFFUSE 15-100mm,12/24VDC PNP, 2M CABLE	$	313.80
CX444-P-Z	PE SENSOR - DIFFUSE 15-100mm,12/24VDC PNP, M8 CONNECTOR	$	325.20
CX481	PE SENSOR - RETRO REFLECTIVE POLARISED 50-500mm,12-24VDC NPN, 2M CABLE	$	342.70
CX481-P	PE SENSOR - RETRO REFLECTIVE POLARISED 50-500mm,12-24VDC PNP, 2M CABLE	$	342.70
CX481-P-Z	PE SENSOR - RETRO REFLECTIVE POLARISED 50-500mm,12-24VDC PNP, M8 CONNECTOR	$	360.90
CX482	PE SENSOR - RETRO REFLECTIVE POLARISED 0.1-2M,12-24VDC NPN, 2M CABLE	$	342.70
CX482-P	PE SENSOR - RETRO REFLECTIVE POLARIZED 0.1-2M,12-24VDC PNP, 2M CABLE	$	342.70
CX482-P-Z	PE SENSOR - RETRO REFLECTIVE POLARIZED 0.1-2M,12-24VDC PNP, M8 CONNECTOR	$	360.90
CX491	PE SENSOR - RETRO REFLECTIVE POLARISED 3M,12-24VDC NPN, 2M CABLE	$	234.00
CX491-J	PE SENSOR - RETRO REFLECTIVE POLARISED 3M,12-24VDC NPN, M12 CONNECTOR	$	234.00
CX491-P	PE SENSOR - RETRO REFLECTIVE POLARISED 3M,12-24VDC PNP, 2M CABLE	$	234.00
CX491-P-Z	PE SENSOR - RETRO REFLECTIVE POLARISED 3M,12-24VDC PNP, M8 CONNECTOR	$	251.10
CX491-Z	PE SENSOR - RETRO REFLECTIVE POLARISED 3M,12-24VDC NPN, M8 CONNECTOR	$	251.10
CX493	PE SENSOR - RETRO REFLECTIVE 5M,12-24VDC NPN, 2M CABLE	$	234.00
CX493-P	PE SENSOR - RETRO REFLECTIVE 5M,12-24VDC PNP, 2M CABLE	$	234.00
CX493-P-Z	PE SENSOR - RETRO REFLECTIVE 5M,12-24VDC PNP, M8 CONNECTOR	$	262.40
CX493-Z	PE SENSOR - RETRO REFLECTIVE 5M,12-24VDC NPN, M8 CONNECTOR	$	262.40

CX-400 Series Accessories

CABLE-M8-RA-3W-3M	SENSOR CABLE 3W M8 R/ANGLE 3M PVC	$	34.00
CABLE-M8-RA-3W-5M	SENSOR CABLE 3W M8 R/ANGLE 5M PVC	$	40.10
CABLE-M8-RA-4W-10M	SENSOR CABLE 4W M8 RT ANGLE 10M PVC	$	48.50
CABLE-M8-RA-4W-2M	SENSOR CABLE 4W M8 RT ANGLE 2M PUR	$	34.00
CABLE-M8-RA-4W-5M	SENSOR CABLE 4W M8 RT ANGLE 5M PUR (63S141-050)	$	42.50
CABLE-M8-RA-4W-5MPVC	SENSOR CABLE 4W M8 RT ANGLE 5M PVC	$	42.50
CABLE-M8-S-3W-3M	SENSOR CABLE 3W M8 STRAIGHT 3M PVC	$	34.00
CABLE-M8-S-3W-5M	SENSOR CABLE 3W M8 STRAIGHT 5M PUR (63S023-050)	$	40.10
CABLE-M8-S-4W-10M	SENSOR CABLE 4W M8 STRAIGHT PUR 10M(63S121-100)	$	52.62
CABLE-M8-S-4W-2M	SENSOR CABLE 4W M8 STRAIGHT PUR 2M (63S121-020)	$	34.00
CABLE-M8-S-4W-5M	SENSOR CABLE 4W M8 STRAIGHT 5M PUR (63S121-050)	$	42.50
MSCX1	MOUNTING BRACKET FOR CX SERIES	$	13.20
MSCX-11	AXIS ADJ MOUNT BRKT FOR CX400 SERIES	$	66.80
MSCX2	G 'SHAPED MOUNTING BRACKET FOR CX SERIES"	$	13.20
MSCX2-1	L" SHAPPED MOUNTING BRACKET FOR CX SERIES"	$	13.20
MSCX2-2	G" SHAPPED MOUNTING BRACKET FOR CX SERIES"	$	16.50
MSCX2-4	MOUNTING BRACKET FOR CX SERIES	$	22.80
MSCX2-5	MOUNTING BRACKET FOR CX SERIES	$	13.20
MSCX3	MOUNTING BRACKET FOR CX SERIES	$	13.20
MSCX4	MOUNTING BRACKET FOR CX SERIES	$	21.70
OSCX-05	SLIT MASK 0.5mm DIA FOR CX SENSORS	$	9.90
OSCX-05X6	SLIT MASK 0.5X6mm FOR CX SENSORS	$	9.90
OSCX1	SLIT MASK 1mm DIA FOR CX411/CX412	$	9.90
OSCX1-1X6	SLIT MASK 1x6mm FOR CX400 SERIES	$	9.90
OSCX2	SLIT MASK 2mm DIA FOR CX-411	$	9.90
OSCX2-2X6	SLIT MASK 2x6mm FOR CX400 SERIES	$	9.90
RF11	REFLECTOR 30x8mm ADHESIVE BACKED	$	17.20
RF113	REFLECTOR 36mm DIA	$	30.40
RF12	REFLECTOR 30x25mm ADHESIVE BACKED	$	28.50
RF210	REFLECTOR 33x13mm	$	28.50
RF220		$	22.80
RF230	REFLECTOR 50x50mm	$	22.80
RF330	LASER SENSOR REFLECTOR	$	69.90

PHOTOELECTRIC SENSORS

AUTONICS - BRQP Series M18 Threaded Cylindrical Sensors (10-30Vdc) – IP67

M18, cylindrical plastic body, solid state100mA/30Vdc transistor output

BRQP100-DDTA-C-P	PE SENSOR - M18 DIFFUSE,100mm,10-30VDC PNP, LIGHT/DARK ON, M12 4W CONN	$	148.00
BRQP100-DDTA-P	PE SENSOR - M18 DIFFUSE,100mm,10-30VDC PNP, LIGHT/DARK ON, 2M CABLE	$	148.00
BRQP1M-DDTA-P	PE SENSOR - M18 DIFFUSE,1M,10-30VDC PNP, LIGHT/DARK ON, 2M CABLE	$	128.00
BRQP3M-PDTA	PE SENSOR - M18 RETRO, 3M,10-30VDC NPN, LIGHT/DARK ON, 2M CABLE	$	120.00
BRQP3M-PDTA-C-P	PE SENSOR - M18 RETRO, 3M,10-30VDC PNP, LIGHT/DARK ON, M12 CONN	$	120.00
BRQP3M-PDTA-P	PE SENSOR - M18 RETRO, 3M,10-30VDC PNP, LIGHT/DARK ON, 2M CABLE	$	120.00
BRQP20M-TDTA-C	PE SENSOR - M18 THRU-BEAM, 20M,10-30VDC NPN, LIGHT/DARK ON, M12 CONN	$	150.00
BRQP20M-TDTA-C-P	PE SENSOR - M18 THRU-BEAM, 20M,10-30VDC PNP, LIGHT/DARK ON, M12 CONN	$	150.00
BRQPS20M-TDTA-C	PE SENSOR - M18 THRU-BEAM, 20M, RT ANGLE,10-30VDC NPN, LIGHT/DARK ON, M12 CONN	$	212.00
BRQPS20M-TDTA-C-P	PE SENSOR - M18 THRU-BEAM, 20M, RT ANGLE,10-30VDC PNP, LIGHT/DARK ON, M12 CONN	$	212.00

DATASENSING - S5N Series M18 Threaded Cylindrical Sensors – IP67

S5N-MA-5-B01-PP	PE SENSOR - M18 RETRO POLARISED AXIAL 4M, PNP NO+NC, 10-30VDC, M12 CONN	$	188.00
S5N-MH-5-B01-PP	PE SENSOR - M18 LASER RETRO-REFLEX 4M, PNP NO+NC,10-30VDC M12 CONNECTOR	$	340.70
S5N-MR-5-B01-PP	PE SENSOR - M18 RETRO-REFLEX POLARISED RADIAL 4M, PNP NO+NC,10-30VDC, M12 CONN	$	188.00
S5N-NA-5-B01-PK	PE SENSOR - M18 IP69K S/S RETRO-POLARISED, PNP NO+NC, 10-30VDC, M12 CONN	$	335.50
S5N-PA-2-B01-PP	PE SENSOR - M18 POLARISED RETRO-REFLEX, 4.5M, PNP NO+NC, 10-30VDC, 2M CABLE	$	369.90
S5N-PA-5-B01-NN	PE SENSOR - M18 RETRO-REFLEX, 4M, NPN NO+NC, 10-30VDC, M12 CONN	$	175.90
S5N-PA-5-B01-PK	PE SENSOR - M18 RETRO-POLARISED, 4M, PNP NO, 12-30VDC, L/D ON, M12 CONN	$	190.10
S5N-PA-5-B01-PP	PE SENSOR - M18 RETRO-REFLEX, 4M, PNP NO+NC, 10-30VDC, M12 CONN	$	175.90
S5N-PL-5-B01-PP	PE SENSOR - M18 LASER RETRO-REFLEX 16M, PNP NO+NC,10-30VDC, M12 CONN	$	280.00
S5N-PR-5-B01-PP	PE SENSOR - M18 RETRO-REFLEX 4M, PNP NO+NC,10-30VDC, M12 CONN	$	175.90
S5N-MA-5-C01-PP	PE SENSOR - M18 DIFFUSE,700mm PNP NO+NC, 10-30VDC, M12 CONN	$	188.00
S5N-NA-5-C11-PK	PE SENSOR - M18 DIFFUSE L/ON, IP69K S/S, 350mm, PNP NO+NC, 10-30VDC, M12 CONN	$	169.00
S5N-PA-2-C10-PP	PE SENSOR - M18 DIFFUSE,100mm, PNP NO+NC,10-30VDC, 2M CABLE	$	175.90
S5N-PA-5-C01-NN	PE SENSOR - M18 DIFFUSE 700mm, NPN NO+NC, 10-30VDC, M12 CONN	$	167.70
S5N-PA-5-C01-PK	PE SENSOR - M18 DIFFUSE 400mm, PNP NO+NC, 10-30VDC, M12 CONN	$	175.90
S5N-PA-5-C01-PP	PE SENSOR - M18 DIFFUSE 700mm, PNP NO+NC, 10-30VDC, M12 CONN	$	167.70
S5N-PA-5-C10-PP	PE SENSOR - M18 DIFFUSE 100mm, PNP NO+NC, 10-30VDC, M12 CONN	$	175.90
S5N-PA-5-C21-NN	PE SENSOR - M18 DIFFUSE 400mm, NPN NO+NC, 10-30VDC, M12 CONN	$	145.50
S5N-PA-5-C21-PP	PE SENSOR - M18 DIFFUSE 400mm, PNP NO+NC, 10-30VDC, M12 CONN	$	175.90
S5N-PA-5-D00-PP	PE SENSOR - M18 DIFFUSE FIXED-FOCUS,100mm, PNP NO+NC,10-30VDC, M12 CONN	$	188.00
S5N-PA-5-W03-PP	PE SENSOR - M18 CONTRAST SENSOR,10mm, PNP NO+NC, 10/30VDC, M12 CONN	$	201.25
S5N-PR-5-C01-PP	PE SENSOR - M18 DIFFUSE RADIAL, 700mm, PNP NO+NC,10/30VDC, M12 CONN	$	195.00
S5N-SA-3-D50-PK	PE SENSOR - M18 DIFFUSE FIXED FOCUS, PNP NO+NC,10-30VDC, M12 PIGTAIL	$	190.10
S5N-NA-5-F01-PK	PE SENSOR - M18, THRU BEAM RECEIVER 20M, INOX IP69K, PNP NO+NC,10-30VDC, M12 C	$	292.00
S5N-NA-5-G01-XG	PE SENSOR - M18, THRU BEAM EMITTER 20M, INOX IP69K, PNP NO+NC,10-30VDC, M12 CO	$	285.30
S5N-PR-5-F01-PP	PE SENSOR - M18 THROUGH BEAM RECEIVER 25M, PNP,10-30VDC, M12 CONN	$	268.42
S5N-PR-5-G00-XG	PE SENSOR - M18 LED EMITTER 20M, RADIAL,10-30VDC, M12 CONN	$	145.50
R4-REFLECTOR	REFLECTOR R4 PRISMATIC,51x51mm	$	19.40
R5-REFLECTOR	REFLECTOR R5 PRISMATIC,75mm DIA	$	38.80
R6-REFLECTOR	REFLECTOR, R6 PRISMATIC, 60x40.5mm	$	38.80
R7-REFLECTOR	REFLECTOR, R7 MICROPRISMATIC, 38x40mm	$	32.30
R8-REFLECTOR	REFLECTOR, R8 MICROPRISMATIC, 9.7x19mm	$	16.20

DATASENSING - INDUCTIVE PROXIMITY SENSORS

Standard Cylindrical Sensors, 3 Wire 10-30Vdc - IP67

Built-in LED status indication and short-circuit protection, 2 metre PVC cable or M12 connector

IS-08-A1-03	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, PNP NO, 2M CABLE	$	148.00
IS-08-A2-03	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, PNP NC, 2M CABLE	$	148.00
IS-08-A3-03	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, NPN NO, 2M CABLE	$	148.00
IS-08-A4-03	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, NPN NC, 2M CABLE	$	148.00
IS-08-C1-03	INDUCTIVE SENSOR, M8/2mm, UNSHIELDED, 10-30VDC, PNP NO, 2M CABLE	$	148.00
IS-08-C2-03	INDUCTIVE SENSOR, M8/2mm, UNSHIELDED, 10-30VDC, PNP NC, 2M CABLE	$	148.00
IS-08-C3-03	INDUCTIVE SENSOR, M8/2mm, UNSHIELDED, 10-30VDC, NPN NO, 2M CABLE	$	148.00
IS-08-C4-03	INDUCTIVE SENSOR, M8/2mm, UNSHIELDED, 10-30VDC, NPN NC, 2M CABLE	$	148.00
IS-12-A1-03	INDUCTIVE SENSOR, M12/2mm, SHIELDED, 10-30VDC, PNP NO, 2M CABLE	$	127.40
IS-12-A3-03	INDUCTIVE SENSOR, M12/2mm, SHIELDED, 10-30VDC, NPN NO, 2M CABLE	$	127.40
IS-12-C1-03	INDUCTIVE SENSOR, M12/4mm, UNSHIELDED,10-30VDC, PNP NO, 2M CABLE	$	127.40
IS-12-C2-03	INDUCTIVE SENSOR, M12/4mm, UNSHIELDED,10-30VAC, PNP NC, 2M CABLE	$	127.40
IS-12-C3-03	INDUCTIVE SENSOR, M12/4mm, UNSHIELDED,10-30VDC, NPN NO, 2M CABLE	$	127.40
IS-12-G5-03	INDUCTIVE SENSOR, M12/4mm, SHIELDED,10-30VDC, PNP NO+NC, 2M CABLE	$	148.00
IS-12-G6-03	INDUCTIVE SENSOR, M12/4mm, SHIELDED,10-30VDC, NPN NO+NC, 2M CABLE	$	148.00
IS-12-H3-03	INDUCTIVE SENSOR, M12/8mm, UNSHIELDED, 10-30VDC, NPN NO, 2M CABLE	$	148.00
IS-12-H5-03	INDUCTIVE SENSOR, M12/8mm, UNSHIELDED, 10-30VDC PNP NO+NC, 2M CABLE	$	148.00
IS-12-H6-03	INDUCTIVE SENSOR, M12/8mm, UNSHIELDED, 10-30VDC, NPN NO+NC, 2M CABLE	$	148.00
IS-18-A1-03	INDUCTIVE SENSOR, M18/5mm, SHIELDED,10-30VDC, PNP NO, 2M CABLE	$	127.40
IS-18-A3-03	INDUCTIVE SENSOR, M18/5mm, SHIELDED, 10-30VDC, NPN NO, 2M CABLE	$	127.40
IS-18-C0-03	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED,10-30VDC, PNP/NPN NO+NC, 2M CABLE	$	157.70
IS-18-C1-03	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED 10-30VDC PNP N/O 2M CABLE	$	127.40
IS-18-C2-03	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED, 10-30VDC, PNP NC, 2M CABLE	$	127.40
IS-18-C3-03	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED, 10-30VDC, NPN NO, 2M CABLE	$	127.40
IS-18-C4-03	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED, 10-30VDC, NPN NC, 2M CABLE	$	127.40

Standard Cylindrical Sensors, 3 Wire 10-30Vdc - IP67- M12 connector

Built-in LED status indication and short-circuit protection, with M12 connector

IS-08-A1-S1	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, PNP NO, M8 CONNECTOR	$	148.00
IS-08-A1-S2	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, PNP NO, M12 CONNECTOR	$	148.00
IS-12-A1-S2	INDUCTIVE SENSOR, M12/2mm, SHIELDED, 10-30VDC, PNP N/O, M12 CONNECTOR	$	134.40
IS-12-A3-S2	INDUCTIVE SENSOR, M12/2mm, SHIELDED,10-30VDC, NPN NO, M12 CONNECTOR	$	139.50
IS-12-A3-S2	INDUCTIVE SENSOR, M12/2mm, SHIELDED,10-30VDC, NPN NO, M12 CONNECTOR	$	139.50
IS-12-C1-S2	INDUCTIVE SENSOR, M12/4mm, UNSHIELDED,10-30VDC, PNP NO, M12 CONNECTOR	$	134.40
IS-12-C3-S2	INDUCTIVE SENSOR, M12/4mm, UNSHIELDED,10-30VDC, NPN NO, M12 CONNECTOR	$	134.40
IS-18-A1-S2	INDUCTIVE SENSOR, M18/5mm, SHIELDED,10-30VDC, PNP NO, M12 CONNECTOR	$	127.40
IS-18-A3-S2	INDUCTIVE SENSOR, M18/5mm, SHIELDED, 10-30VDC, NPN NO, M12 CONNECTOR	$	127.40
IS-18-C1-S2	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED,10-30VDC, PNP NO, M12 CONNECTOR	$	127.40
IS-18-C3-S2	INDUCTIVE SENSOR, M18/8mm, UNSHIELDED, 10-30VDC, NPN NO, M12 CONNECTOR	$	127.40
IS-18-E1-S2	INDUCTIVE SENSOR, M18/8mm, SHIELDED,10-30VDC, PNP NO, M12 CONNECTOR	$	127.40

INDUCTIVE PROXIMITY SENSORS

DATASENSING - Short-Bodied Sensors, 3 Wire 10-30Vdc – IP67- M8-M12 connector

Double-distance short-bodied cylindrical sensors with built-in LED status indication and short-circuit protection.

IS-08-B1-S1	INDUCTIVE SENSOR, M8/1.5mm, SHIELDED, 10-30VDC, PNP NO, M8 CONNECTOR	$	148.00
IS-12-G5-S2	INDUCTIVE SENSOR, M12/4mm, SHIELDED,10-30VAC, PNP NO+NC, M12 CONNECTOR	$	148.00
IS-12-G6-S2	INDUCTIVE SENSOR, M12/4mm, SHIELDED,10-30VDC, NPN NO+NC, M12 CONNECTOR	$	148.00
IS-12-H3-S2	INDUCTIVE SENSOR, M12/8mm, UNSHIELDED, 10-30VDC, NPN NO+NC, M12 CONNECTOR	$	148.00
IS-12-H5-S2	INDUCTIVE SENSOR, M12/8mm, UNSHIELDED,10-30VDC PNP NO+NC, M12 CONNECTOR	$	148.00
IS-18-G2-S2	INDUCTIVE SENSOR, M18/8mm, SHIELDED, 10-30VDC, PNP NC, M12 CONNECTOR	$	148.00
IS-18-G5-S2	INDUCTIVE SENSOR, M18/8mm, SHIELDED,10-30VDC, PNP NO+NC, M12 CONNECTOR	$	148.00
IS-18-G6-S2	INDUCTIVE SENSOR, M18/8mm, SHIELDED, 10-30VDC, NPN NO+NC, M12 CONNECTOR	$	148.00
IS-18-H5-S2	INDUCTIVE SENSOR, M18/14mm, UNSHIELDED,10-30VDC, PNP NO+NC, M12 CONNECTOR	$	148.00
IS-18-H5-03	INDUCTIVE SENSOR, M18/14mm, UNSHIELDED,10-30VDC, PNP NO+NC, 2M CABLE	$	148.00
IS-18-H6-S2	INDUCTIVE SENSOR, M18/14mm, UNSHIELDED, 10-30VDC, NPN NO+NC, M12 CONNECTOR	$	148.00
IS-30-G2-S2	INDUCTIVE SENSOR, M30/15mm, SHIELDED, 10-30VDC PNP NC, M12 CONNECTOR	$	157.70
IS-30-G3-S2	INDUCTIVE SENSOR, M30/15mm, UNSHIELDED, 10-30VDC, NPN NO, M12 CONNECTOR	$	157.70
IS-30-H1-S2	INDUCTIVE SENSOR, M30/20mm, UNSHIELDED, 10-30VDC, PNP NO, M12 CONNECTOR	$	157.70
IS-30-H2-S2	INDUCTIVE SENSOR, M30/20mm, UNSHIELDED, 10-30VDC, PNP NC, M12 CONNECTOR	$	157.70
IS-30-H3-S2	INDUCTIVE SENSOR, M30/20mm, UNSHIELDED, 10-30VDC, NPN NO, M12 CONNECTOR	$	157.70

Stainless Steel Sensors, 3 Wire 10-30Vdc – IP67, M12 Connector

Stainless Steel A151316L FOOD/PHARMA grade cylindrical sensors with built-in LED status indication and short circuit protection.

IS-12-O1-S2	INDUCTIVE SENSOR, M12/4mm, SHIELDED, S/S, 10-30VDC, PNP NO, M12 CONNECTOR	$	157.70
IS-12-O3-S2	INDUCTIVE SENSOR, M12/4mm, SHIELDED, S/S,10-30VDC, NPN NO, M12 CONNECTOR	$	157.70
IS-12-P1-S2	INDUCTIVE SENSOR, M12/8mm, UNSHIELDED, S/S, 10-30VDC, PNP NO, M12 CONNECTOR	$	157.70
IS-18-O1-S2	INDUCTIVE SENSOR, M18/8mm, SHIELDED, S/S,10-30VDC, PNP NO, M12 CONNECTOR	$	181.90
IS-18-O3-S2	INDUCTIVE SENSOR, M18/8mm, SHIELDED, S/S,10-30VDC, NPN NO, M12 CONNECTOR	$	181.90
IS-18-P1-S2	INDUCTIVE SENSOR, M18/14mm, UNSHIELDED, S/S, 10-30VDC, PNP NO, M12 CONNECTOR	$	181.90
IS-30-O1-S2	INDUCTIVE SENSOR, M30/15mm, SHIELDED, S/S, 10-30VDC, PNP NO, M12 CONNECTOR	$	212.30
IS-30-P1-S2	INDUCTIVE SENSOR, M30/20mm, UNSHIELDED, S/S, 10-30VDC, PNP NO, M12 CONNECTOR	$	212.30

Cylindrical Sensors, 2 Wire 24-230Vac – IP67

Built-in LED status indication, 2 metre cable

IS-12-A8-S2	INDUCTIVE SENSOR, M12/2mm, SHIELDED, 24-230VAC, 2 WIRE NC, M12 CONNECTOR	$	139.50
IS-12-A15-03	INDUCTIVE SENSOR, M12/2mm, SHIELDED, 24-230VAC, 2 WIRE NO, 2M CABLE	$	139.50
IS-18-A15-03	INDUCTIVE SENSOR, M18/5mm, SHIELDED, 24-230VAC, 2 WIRE NO, 2M CABLE	$	145.50
IS-30-A15-03	INDUCTIVE SENSOR, M30/10mm, SHIELDED, 24-230VAC, 2 WIRE NO, 2M CABLE	$	163.80

Built-in LED status indication, M12 double-keywayed connector

IS-12-C8-S2	INDUCTIVE SENSOR, M12/4mm, UNSHIELDED, 24-230VAC, 2 WIRE NC, M12 CONNECTOR	$	139.50
IS-12-A15-S2	INDUCTIVE SENSOR, M12/2mm, SHIELDED, 24-230VAC, 2 WIRE NO, M12 CONNECTOR	$	139.50
IS-18-A15-S2	INDUCTIVE SENSOR, M18/5mm, SHIELDED, 24-230VAC, 2 WIRE NO, M12 CONNECTOR	$	145.50
IS-30-A15-S2	INDUCTIVE SENSOR, M30/10mm , SHIELDED, 24-230VAC, 2 WIRE NO, M12 CONNECTOR	$	163.80
CABLE-M12-S-3W-AC	SENSOR CABLE, DOUBLE KEY, FOR AC SENSORS, 3M	$	91.00

DATASENSING Block Type Inductive Sensors – IP67

40 x 40 x 120mm, terminal connect, built-in LED status indication

IS-40-Y5-S3	INDUCTIVE SENSOR, 40x40mm /30mm, UNSHIELDED, 10-30DC, PNP NO+NC, GLAND	$	150.40
IS-40-W7-S3	INDUCTIVE SENSOR, 40x40mm /15mm, SHIELDED, 20-250VAC/DC, 2 WIRE NO, GLAND	$	-
IS-40-Y7-S3	INDUCTIVE SENSOR, 40x40mm /30mm, UNSHIELDED, 20-250VAC/DC, 2 WIRE NO, GLAND	$	155.20

CAPACITIVE PROXIMITY SENSORS

AUTONICS - Capacitive Proximity Sensors, IP66, 2-metre cable

Low-cost shielded (flush) capacitive proximity sensors in polyamide (18mm) or nickel plated brass (30mm) housings, with LED indication, adjustable sensitivity, 2 metre PVC cable

CR18-8AC	CAPACITIVE SENSOR, M18/8mm IP66, 85-264VAC NC	$	142.80
CR18-8AO	CAPACITIVE SENSOR M18/8mm IP66 85-264VAC NO	$	142.80
CR18-8DN	CAPACITIVE SENSOR M18/8mm IP66 12-24VDC, NPN NO	$	122.60
CR18-8DP	CAPACITIVE SENSOR, IP66, M18/8mm,12-24VDC, PNP NO	$	122.60
CR30-15AC	CAPACITIVE SENSOR, M30/15mm, 85-264VAC, NC	$	142.80
CR30-15AO	CAPACITIVE SENSOR, M30/15mm, 85-264VAC, NO	$	142.80
CR30-15DN	CAPACITIVE SENSOR M30/15mm, 12-24VDC, NPN NO	$	134.50
CR30-15DP	CAPACITIVE SENSOR, M30/15mm, 12-24VDC, PNP NO	$	134.50

Rechner Series 26 Capacitive Sensors, IP67, 2-metre cable

Capacitive proximity sensors constructed in PTFE with LED indication, designed for the food/pharma industires, to mount through silos/tanks, providing accurate level indication. Suitable for hazardous area applications. 10-30Vdc, PNP antivalent (N/O + N/C) output, adjustable sensitivity, 2 metre PVC cable

KAS80-26-A-PTFE	CAPACITIVE LEVEL PROBE 100oC IP67 100mm	$	1,420.70
KAS80-26-A-PTFE-TRI	CAPACITIVE SENSOR TRI CLAMP MOUNT	$	2,435.00

A diverse range of Rechner Capacitive Sensors are available on request

RECHNER Sensor Controllers

EGI130	CONTROLLER FOR IAS/KAS 110/22VAC 1 CONTACT OUTPUT	$	963.00
EGI130-TD	CONTROLLER FOR IAS/KAS 110/220VAC 1CO	$	1,161.00

A wide variety of other sensors and controllers are available on request

RECHNER Namur and Ex Sensors – IP67 with IECEx approvals - Built-in LED status indication

NAMUR EN 60947-5-6, Ex ia IIC T1-T6 Ga, - 5-15Vdc

IAS-30-M8-N	INDUCTIVE SENSOR, M8/1mm, S/S,7.7-10VDC, NAMUR OUTPUT, 2M CABLE, ATEX	$	329.90
IAS-30-A13-N	INDUCTIVE SENSOR, M18/5mm, 7.7-10VDC, NAMUR OUTPUT, 2M CABLE	$	248.70
IAS-30-A13-N-STEX	INDUCTIVE SENSOR, M18/5mm, 7.7-10VDC, NAMUR OUTPUT, 2M CABLE , ATEX	$	645.20
IAS-30-A13-N-Y5	INDUCTIVE SENSOR, M18/5mm, 7.7-10VDC, NAMUR OUTPUT, M12 CONNECTOR	$	460.80
IAS-30-A14-N-STEX	INDUCTIVE SENSOR, M30/10mm, 7.7-10VDC, NAMUR OUTPUT, 2M CABLE, STEX	$	855.80
IAS-30-A22-N-ATEX	INDUCTIVE SENSOR, M12/4mm, 7.7-10VDC, NAMUR OUTPUT, 2M CABLE , ATEX	$	444.70
IAS-30-A23-N-ATEX-5M	INDUCTIVE SENSOR, M18/8mm, 7.7-10VDC, NAMUR OUTPUT, 5M CABLE, ATEX	$	595.30
IAS-30-A24-N-ATEX	INDUCTIVE SENSOR, M30/15mm, 7.7-10VDC, NAMUR OUTPUT, 2M CABLE, ATEX	$	600.60

3 wire 10-30Vdc - for use in dust explosion zone 20 and gas zone 1 - Ex mb IIC T4 Gb, Ex ta/tb IIIC T101°C Da/Db

IAS-10-A12-S-STEX	INDUCTIVE SENSOR, M12/2mm,10-30VDC, PNP NO, IECEX, 5M CABLE (IA0162)	$	818.70
IAS-10-A12-S-STEX-15	INDUCTIVE SENSOR, M12/2mm,10-30VDC, PNP NO, IECEX,15M CABLE	$	830.80
IAS-10-A13-A-STEX	INDUCTIVE SENSOR, M18/5mm,10-30VDC, PNP NO+NC, IECEX, 5M CABLE	$	804.10
IAS-10-A13-A-STEX-10	INDUCTIVE SENSOR, M18/5mm,10-30VDC, PNP NO+NC, IECEX,10M CABLE (IA0210)	$	1,092.00
IAS-10-A14-A-STEX	INDUCTIVE SENSOR, M30/10mm, 10-30VDC, PNP NO+NC, IECEX, 5M CABLE (IA0183)	$	698.80
IAS-10-A14A-STEX-10M	INDUCTIVE SENSOR, M30/10mm, 10-30VDC, PNP NO+NC, IECEX,10M CABLE	$	721.90

Due to volatile international material costs, prices may change at short notice.
check before ordering

CABLES FOR PLUG-IN SENSORS

CABLE-M8-S-3W-3M	SENSOR CABLE 3W M8 STRAIGHT 3M PVC	$	34.00
CABLE-M8-S-3W-5M	SENSOR CABLE 3W M8 STRAIGHT 5M PUR (63S023-050)	$	40.10
CABLE-M8-RA-3W-3M	SENSOR CABLE 3W M8 R/ANGLE 3M PVC	$	34.00
CABLE-M8-RA-3W-5M	SENSOR CABLE 3W M8 R/ANGLE 5M PVC	$	40.10
CABLE-M8-S-4W-10M	SENSOR CABLE 4W M8 STRAIGHT PUR 10M(63S121-100)	$	52.62
CABLE-M8-S-4W-2M	SENSOR CABLE 4W M8 STRAIGHT PUR 2M (63S121-020)	$	34.00
CABLE-M8-S-4W-5M	SENSOR CABLE 4W M8 STRAIGHT 5M PUR (63S121-050)	$	42.50
CABLE-M8-RA-4W-10M	SENSOR CABLE 4W M8 RT ANGLE 10M PVC	$	48.50
CABLE-M8-RA-4W-2M	SENSOR CABLE 4W M8 RT ANGLE 2M PUR	$	34.00
CABLE-M8-RA-4W-5M	SENSOR CABLE 4W M8 RT ANGLE 5M PUR (63S14	$	42.50
CABLE-M8-RA-4W-5MPVC	SENSOR CABLE 4W M8 RT ANGLE 5M PVC	$	48.50
CABLE-M12-S-3W-10M	SENSOR CABLE 3W M12 STRAIGHT 10M PVC (64S	$	42.50
CABLE-M12-S-3W-3M	SENSOR CABLE 3W M12 STRAIGHT 3M PVC (64S0	$	42.50
CABLE-M12-S-3W-5M	SENSOR CABLE 3W M12 STRAIGHT 5M PVC (64S0	$	42.50
CABLE-M12-RA-3W-3M	SENSOR CABLE 3W M12 RT ANGLE FEMALE CONI	$	34.00
CABLE-M12-S-4W-2M	SENSOR CABLE 4W M12 STRAIGHT 2M PUR (64S1	$	34.00
CABLE-M12-S-4W-5M	SENSOR CABLE 4W M12 STRAIGHT 5M PUR (64S1	$	42.50
CABLE-M12-S-4W-10M	SENSOR CABLE 4W M12 STRAIGHT10M PUR (64S	$	48.50
CABLE-M12-RA-4W-2M	CABLE, M12 RIGHT ANGLE FEMALE A-CODE TO FI	$	34.00
CABLE-M12-RA-4W-5M	CABLE, M12 RIGHT ANGLE FEMALE A-CODE TO FI	$	42.50
CABLE-M12-RA-4W-10M	CABLE, M12 RIGHT ANGLE FEMALE A-CODE TO FI	$	48.50
CABLE-M12-S-5W-2M	SENSOR CABLE 5W M12 STRAIGHT 2M PVC (64S261-020)	$	34.00
CABLE-M12-S-5W-5M	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 5M PVC (64S261-050)	$	47.30
CABLE-M12-S-5W-10M	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M PVC, (64S261-100)	$	72.80
CABLE-M12-RA-5W-2M	SENSOR CABLE 5W M12 RT ANGLE CONN, 2M PUR (64S281-020)	$	34.00
CABLE-M12-RA-5W-5M	SENSOR CABLE 5W M12 RT ANGLE 5M PUR (64S281-050)	$	42.50
CABLE-M12-RA-5W-10M	SENSOR CABLE 5W M12 RT ANGLE 10M PUR (64S281-100)	$	72.80
CABLE-M12/M12-4W-1.5	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 1.5M (64D181-015)	$	89.70
CABLE-M12/M12-4W-3M	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 3M (64D181-030)	$	101.90
CABLE-M12/M12-4W-5M	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 5M (64D181-050)	$	135.80
M8PLUG-3P-STR/M	M8 3 POLE MALE STRAIGHT PLUG	$	32.80
M8PLUG-4P-STR/F	M8 4 POLE FEMALE STRAIGHT PLUG	$	51.30
M8PLUG-4P-STR/M	M8 4 POLE MALE STRAIGHT PLUG	$	57.10
M8PLUG-4P-STRAIGHT	M8 4 POLE MALE STRAIGHT PLUG	$	57.10
M12PLUG-4P-STR/M	M12 4 POLE MALE STRAIGHT PLUG	$	21.30
M12PLUG-4P-STR/F	M12 4 POLE FEMALE STRAIGHT PLUG	$	21.30
M12PLUG-4P-RA/M	M12 4 POLE MALE RIGHT ANGLE PLUG	$	21.30
M12PLUG-4P-RA/F	M12 4 POLE FEMALE RIGHT ANGLE PLUG	$	21.30
M12PLUG-5P-STR/M	M12 5 POLE MALE STRAIGHT PLUG PG9	$	60.00
M12PLUG-5P-STR/M	M12 5 POLE MALE STRAIGHT PLUG PG9	$	60.00
M12PLUG-8P-STR/M	M12 8POLE MALE STRAIGHT PLUG	$	71.60
M12PLUG-8P-STR/M	M12 8POLE MALE STRAIGHT PLUG	$	71.60
CABLE-M12-S-3W-AC	SENSOR CABLE, DOUBLE KEY, FOR AC SENSORS, 3M	$	91.00

Sensor Mounts

Stainless steel, with recoil spring to protect sensors in the event of front-on collision

RECOIL-MOUNT-18	PROX SWITCH MOUNT, SPRING RETURN, 18mm DIA, S/S	$	183.40

Due to volatile international material costs, prices may change at short notice.
check before ordering

DOOR & GATE SENSORS, PRESSURE SENSORS, ENCODERS

AUTONICS - Auto Door Sensor

Auto door sensor, 2.7 metre sensing distance, with 4-step variable front sensing area from 7.5 to 28.5 degrees, adjustable linear sensing area 28.5 degrees, adjustable linear sensing area, selectable output hold time from 2 to 15 sec, 1A relay output, 24-240Vac/dc

ADS-AF	DOOR SENSOR DIFFUSE 2M-2.7M 24-240VAC/DC	**$**	**251.60**

CEL manufactured - Door Minder system

Auto door minder system, 2.7 metre sensing distance, utilising the ADS-F sensor (above) pre-wired on 10M cable, with either a buzzer for entry notification or a counter for "people-counting applications, complete with 230Vac/24Vdc power pack

DM-01	DOOR MINDER, WITH SENSOR AND 24VDC BUZZER	**$**	**363.80**
DM-02	DOOR MINDER, WITH SENSOR AND COUNTER	**$**	**460.80**
DM-01-EXT	EXTENSION SOUNDER, FOR DM-01 DOOR MINDER	**$**	**72.20**

PANASONIC - Pressure Sensors

DP-100 Pressure Sensors -Compact 3-colour, 4 digit, dual-display, N/O or N/C selectable, 12/24Vdc operation

DP-101	PRESSURE SENSOR -100-+100kPa	**$**	**197.40**
DP-101A	PRESSURE SENSOR -100/+100KPa ANALOG OUT	**$**	**218.40**
DP-101-M-P	PRESSURE SENSOR -100-+100kPa PNP M5, NO LEAD	**$**	**197.40**
DP-102	PRESSURE SENSOR -100 TO + 1000kPa	**$**	**197.40**
DP-102A	PRESSURE SENSOR 1MPa ANALOG OUT	**$**	**218.40**
MSDP1-1	MOUNTING BRACKET FOR D100 SERIES	**$**	**12.30**
MSDP1-2	PANEL MOUNTING KIT FOR DP100 SERIES	**$**	**15.30**
MSDP1-3	FRONT PROTECTION COVER FOR DP100 SERIES	**$**	**12.30**
CN-14A-C2	CONNECTOR FOR PM 45/65 SERIES 2M CABLE	**$**	**16.10**

Programmable Rotary Encoders

Programmable Rotary encoders are progammable via USB from 1 to 16348 PPR. They are housed in a rugged 58mm dia x 48mm long aluminium case with either 6mm or 10mm S/S shaft (hollow shaft also available) With a broad voltage range of 5-30Vdc and smart push-pull and line driver output they are suitable for PLC input for all measurement application. 1.5M cable and conntector version available

IEP58-S06-PROG-C15	ENCODER USB PROGRAMMABLE TO16384PPR, 6mm SOLID SHAFT, 1.5m CABLE	**$**	**576.30**
IEP58-S10-PROG-C15	ENCODER USB PROGRAMMABLE TO16384PPR, 10mm SOLID SHAFT, 1.5m CABLE	**$**	**576.30**
IEP58-S10-PROG-M12	ENCODER USB PROGRAMMABLE TO16384PPR,10mm SOLID SHAFT, M12 CONNECTION	**$**	**576.30**
IEP58-PROG-TOOL	IEP58 PROGRAMMING TOOL ENCODER-PC VIA USB	**$**	**485.10**
K58I-H115-TTL-M12	ENCODER 58mm, K58I.OPRR.01024.2H12515.65RC2,15mm HOLLOW SHAFT, M12/8P CONN	**$**	**1,265.00**
8.0000.6000.00020112	K58I ENCODER PROGRAMMER CABLE	**$**	**225.00**
8.0010.9000.1000	K58I ENCODER PROGRAMMER	**$**	**1,640.00**
64S323-020	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	**$**	**69.00**
64S323-050	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	**$**	**69.00**
64S323-200	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	**$**	**69.00**
IEP58-ST58-BELL	IEP58 ENCODER MOUNTING BELL	**$**	**136.90**
IEP58-ST58-BRKT	IEP58 ENCODER MOUNTING L BRACKET	**$**	**79.70**
IEP58-ST58-FLNG	IEP58 ENCODER MOUNTING SQUARE FLANGE	**$**	**73.90**
IEP58-ST58-FLNG-6MM	IEP58 ENCODER MOUNTING SQUARE FLANGE FOR USE WITH 6MM SHAFT ENCODER	**$**	**73.90**
IEP58-ST58-KIT	ST58 KIT IEP 58 ENCODER FIXING CLAMPS (3 KITS)	**$**	**27.60**
IEP58-FAC06-06	FLEXIBLE ALUMINIUM COUPLING 6MM DIA	**$**	**68.70**
IEP58-FAC10-10	FLEXIBLE ALUMINIUM COUPLING 10MM DIA	**$**	**68.70**
IEP58-FBC06-06	FLEXIBLE PLASTIC COUPLING 6MM DIA	**$**	**60.10**
IEP58-FBC10-10	FLEXIBLE PLASTIC COUPLING 10MM DIA	**$**	**60.10**
RS15-06	IEP58 HOLLOW SHAFT ENCODER REDUCING SLEEVE15-6mm	**$**	**38.10**
RS15-08	IEP58 HOLLOW SHAFT ENCODER REDUCING SLEEVE15-8mm	**$**	**38.10**
RS15-10	IEP58 HOLLOW SHAFT ENCODER REDUCING SLEEVE15-10mm	**$**	**25.40**
RS15-11	IEP58 HOLLOW SHAFT ENCODER REDUCING SLEEVE15-11mm	**$**	**42.70**
RS15-12	IEP58 HOLLOW SHAFT ENCODER REDUCING SLEEVE15-12mm	**$**	**27.70**
RS15-3/8	IEP58 HOLLOW SHAFT ENCODER REDUCING SLEEVE15-3/8 INCH	**$**	**42.70**

KUEBLER Measurement systems

Measurement

Sensors – made in Germany

- **Rotary speed and position sensing**
- **Linear position and speed sensing**
- **Inclination angle sensing**
- **Optical or magnetic**
- **Incremental or absolute**

With Kübler you can reliably record every movement in your application. From rotary speed measurement and position detection to linear position and speed detection for lengths up to 42.5 m, and even the angle of inclination. Kübler sensors are the result of the highest quality awareness, careful material selection, and the guiding principle of always offering you added value. Our sensors are used in a variety of industries, creating trust worldwide with high performance, robustness, and long service life. Find the right sensor solution for your application.

Encoders

Slip Rings

Inclinometers

Ask us about the huge range of measurement devices from KUBLER - prices on application

ReeR SAFETY LIGHT CURTAINS - EOS SERIES

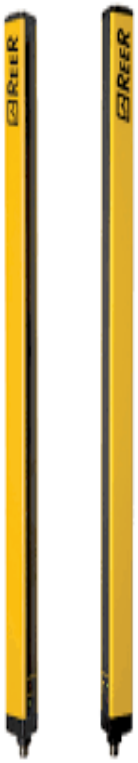
Type 2, Cat 2 Safety Light Curtains

EOS2 is a compact range of Type 2, Cat.2 Safety Light Curtains from ReeR offering competitive performance and innovative features. ideal for the protection of any process machine, particularly where space restrictions exist. The products comply to Safety Level Type 2 SIL1/SILCL1 and PL c standards. Includes models with integrated safety functions, including self monitoring of static outputs, EDM (External Device Monitoring). and selectable manual/auto restart.A full range of accessories including floor-mount stands, tube-mounted mirrors, and IP69K food-graded watertight enclosures are also available.

EOS2 253A	SAFETY LIGHT CURTAIN, 250mm H, 30mm RES, AUTO RESTART	$	1,105.90
EOS2 454A	SAFETY LIGHT CURTAIN, 450mm H, 40mm RES, AUTO RESTART	$	1,781.00
EOS2 903A	SAFETY LIGHT CURTAIN,900mm H, 30mm RES, AUTO RESTART,	$	2,022.10
EOS2 1203A	SAFETY LIGHT CURTAIN,1200mm H, 30mm RES, AUTO RESTART	$	2,971.80
EOS2-1203-X-W	SAFETY LIGHT CURTAIN, IP69K,1210mm H, 30mm RES, MAN/AUTO RESTART	$	4,200.70
EOS2-1203-X-W	SAFETY LIGHT CURTAIN, IP69K, HEATER, 1210mm H, 30mm RES, MAN/AUTO RESTART	$	4,701.80
EOS2 1205A	SAFETY LIGHT CURTAIN,1200mm H, 50mm RES, AUTO RESTART	$	2,159.00
EOS2 1209A	SAFETY LIGHT CURTAIN,1200mm H, 90mm RES, AUTO RESTART	$	2,085.30
EOS2 1209X	SAFETY LIGHT CURTAIN,1200mm H, 90mm RES, AUTO/MANUAL RESTART	$	2,116.90
EOS2 1355A	SAFETY LIGHT CURTAIN,1360mm H, 50mm RES, AUTO RESTART	$	2,432.90
EOS2 1509X	SAFETY LIGHT CURTAIN,1500mm H, 90mm RES, MAN/AUTO RESTART	$	2,485.50
EOS2 1805A	SAFETY LIGHT CURTAIN,1810mm H, 50mm RES, AUTO RESTART	$	3,043.70

Type 4, Cat 4 Safety Light Curtains

The compact EOS4 range of Type 4, Cat.4 Safety Light Curtains from ReeR offer small housing size and minimum dead zone, ideal for the protection of any process particularly where space restrictions exist. The products comply to Safety Level Type 4, SIL3/SILCL3 and PL e standards . All units have EDM External Device Monitoring function for status verification of external devices such as safety relays to avoid external malfunctions jeopardising correct status verification of external devices such as safety relays to avoid external safety functioning,and selectable manual/auto restart A full range of accessories including floor-mount stands, tube-mounted mirrors, and IP69K food-graded watertight enclosures are also available.



EOS4 151X	SAFETY LIGHT CURTAIN,160mm H,14mm RES, MAN/AUTO RESTART + EDM	$	1,838.70
EOS4 153X	SAFETY LIGHT CURTAIN,160mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	1,288.60
EOS4 301A	SAFETY LIGHT CURTAIN, 310mm H, 14mm RES, AUTO START/RESTART	$	2,359.20
EOS4 301X	SAFETY LIGHT CURTAIN, 310mm H, 14mm RES, MAN/AUTO RESTART + EDM	$	2,388.80
EOS4 302AH	SAFETY LIGHT CURTAIN, 310mm H, 20mm RES, AUTO RESTART	$	2,253.40
EOS4 303X	SAFETY LIGHT CURTAIN, 310mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	1,526.50
EOS4 451X	SAFETY LIGHT CURTAIN, 460mm H, 14mm RES, MAN/AUTO RESTART + EDM	$	2,924.10
EOS4 453X	SAFETY LIGHT CURTAIN, 460mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	1,784.20
EOS4 454X	SAFETY LIGHT CURTAIN, 460mm H, 40mm RES, MAN/AUTO RESTART + EDM	$	1,874.08
EOS4 459X	SAFETY LIGHT CURTAIN, 460mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	1,426.40
EOS4 601X	SAFETY LIGHT CURTAIN, 610mm H, 14mm RES, MAN/AUTO RESTART + EDM	$	3,459.40
EOS4 603X	SAFETY LIGHT CURTAIN, 610mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	2,041.90
EOS4 604X	SAFETY LIGHT CURTAIN, 610mm H, 40mm RES, MAN/AUTO RESTART + EDM	$	1,823.90
EOS4 609X	SAFETY LIGHT CURTAIN, 610mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	1,685.10
EOS4 609XH	SAFETY LIGHT CURTAIN, 610mm H, 90mm RES, MAN/AUTO RESTART + EDM EXTENDED RANGE	$	2,056.80
EOS4 751A	SAFETY LIGHT CURTAIN, 760mm H,14mm RES, AUTO START/ RESTART	$	4,004.60
EOS4 751X	SAFETY LIGHT CURTAIN, 760mm H,14mm RES, MAN/AUTO RESTART + EDM	$	4,014.40
EOS4 753X	SAFETY LIGHT CURTAIN, 760mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	2,339.30
EOS4 759X	SAFETY LIGHT CURTAIN, 760mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	1,980.00
EOS4 901A	SAFETY LIGHT CURTAIN, 910mm H,14mm RES, AUTO START/RESTART	$	4,539.80
EOS4 901X	SAFETY LIGHT CURTAIN, 910mm H,14mm RES, MAN/AUTO RESTART + EDM	$	4,549.70
EOS4 903X	SAFETY LIGHT CURTAIN, 910mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	2,636.60
EOS4 909X	SAFETY LIGHT CURTAIN, 910mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	2,200.50
EOS4 1051X	SAFETY LIGHT CURTAIN,1060mm H, 14mm RES, MAN/AUTO RESTART + EDM	$	5,065.10
EOS4 1053X	SAFETY LIGHT CURTAIN,1060mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	2,934.00
EOS4 1055X	SAFETY LIGHT CURTAIN,1060mm H, 50mm RES, MAN/AUTO RESTART + EDM	$	2,597.00
EOS4 1059X	SAFETY LIGHT CURTAIN,1060mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	2,458.20
EOS4 1201X	SAFETY LIGHT CURTAIN,1200mm H, 14mm RES, MAN/AUTO RESTART + EDM	$	5,640.10
EOS4 1203X	SAFETY LIGHT CURTAIN,1200mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	3,231.40
EOS4 1204A	SAFETY LIGHT CURTAIN,1200mm H, 40mm RES, AUTO RESTART	$	2,894.40
EOS4 1204X	SAFETY LIGHT CURTAIN,1200mm H, 40mm RES, MAN/AUTO RESTART + EDM	$	2,934.00
EOS4 1209A	SAFETY LIGHT CURTAIN,1200mm H, 90mm RES, AUTO START/ RESTART	$	2,676.30
EOS4 1209XH	SAFETY LIGHT CURTAIN,1200mm H, 90mm RES, MAN/AUTO RESTART + EDM - EXTENDED RANG	$	3,021.47
EOS4 1353X	SAFETY LIGHT CURTAIN,1360mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	3,528.70
EOS4 1354X	SAFETY LIGHT CURTAIN,1360mm H, 40mm RES, MAN/AUTO RESTART + EDM	$	3,211.60
EOS4 1355A	SAFETY LIGHT CURTAIN,1360mm H, 30mm RES, AUTO START/RESTART	$	3,205.10
EOS4 1359X	SAFETY LIGHT CURTAIN,1360mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	2,973.70
EOS4 1503X	SAFETY LIGHT CURTAIN,1500mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	3,826.10
EOS4 1504X	SAFETY LIGHT CURTAIN,1500mm H, 40mm RES, MAN/AUTO RESTART + EDM	$	3,489.10
EOS4 1505A	SAFETY LIGHT CURTAIN,1505mm H, 50mm RES, AUTO START/RESTART	$	3,390.00
EOS4 1505X	SAFETY LIGHT CURTAIN,1500mm H, 50mm RES, MAN/AUTO RESTART + EDM	$	3,429.60
EOS4 1509A	SAFETY LIGHT CURTAIN,1500mm H, 90mm RES, AUTO START/ RESTART	$	3,191.80
EOS4 1509X	SAFETY LIGHT CURTAIN,1500mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	3,231.40
EOS4 1653X	SAFETY LIGHT CURTAIN,1660mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	4,123.50
EOS4 1803X	SAFETY LIGHT CURTAIN,1800mm H, 30mm RES, MAN/AUTO RESTART + EDM	$	4,401.00
EOS4 1809X	SAFETY LIGHT CURTAIN,1800mm H, 90mm RES, MAN/AUTO RESTART + EDM	$	3,642.80

Type 4 programmable safety light curtains with integrated safety functions = Safeready

SFRD4 451P	SAFETY LIGHT CURTAIN CAT4, 460mm H 14mm RES, AUTO/MAN RESET, EDM, BLANKING	$	2,598.90
SFRD4 1501X	SAFETY LIGHT CURTAIN CAT4, 1500mm H 14mm RES, AUTO/MAN RESET, EDM, BLANKING	$	4,748.50

ReeR SAFETY LIGHT CURTAINS - EOS SERIES

ReeR -Type 2 and 4 IP69K watertight enclosure safety curtains, with or without heating system

EOS2 and EOS4 IP69K watertight enclosure, with or without heating system Watertight enclosures allow safety light curtains and access control barriers exposure to water and steam. Thanks to its inert (non-toxic) components, no residuals are left when the light curtains are washed down or when or when they come directly in contact with food. This makes WTF and WTHF enclosures suitable for the Food & Beverage industry. WTHF version (heated) has a thermostatically controlled heating system and can work down to -25°C.

EOS2-1203-X-WTF	SAFETY LIGHT CURTAIN, IP69K,1210mm H, 30mm RES, MAN/AUTO RESTART	**$**	**4,200.70**
EOS2-1203-X-WTHF	SAFETY LIGHT CURTAIN, IP69K, HEATER, 1210mm H, 30mm RES, MAN/AUTO RESTART	**$**	**4,701.80**
EOS4-1203-XH-WTF	SAFETY LIGHT CURTAIN IP69K, 1200mm H, 30mm RES, MAN/AUTO RESTART	**$**	**5,564.30**
EOS4-1203-XH-WTHF	SAFETY LIGHT CURTAIN IP69K, HEATER, 1200mm H, 30mm RES, MAN/AUTO RESTART	**$**	**6,036.00**
EOS4-903-XH-WTHF	SAFETY LIGHT CURTAIN IP69K, HEATER, 900mm H, 30mm RES, MAN/AUTO RESTART	**$**	**5,291.80**

Other models to meet your specific requirements indented on request.

EOS4 BX series wide beam series

EOS4 2BX	SAFETY LIGHT CURTAIN, 2 BEAM 500mm H, MAN/AUTO RESTART + EDM	**$**	**1,634.30**
EOS4 3BX	SAFETY LIGHT CURTAIN, 2 BEAM 810mm H, MAN/AUTO RESTART + EDM	**$**	**1,630.00**
EOS4 4BX	SAFETY LIGHT CURTAIN, 4 BEAM 810mm H, MAN/AUTO RESTART + EDM	**$**	**1,739.60**

ReeR - SAFEGATE series -TYPE 4 SIL3-PLe Safety light curtain with integrated muting functions

The new SAFEGATE type 4 range of safety light curtains is the ideal solution for the protection of a vast number of high-risk industrial applications, in particular those requiring a highlevel of integration of the muting functions.

S 2B TRX	SAFEGATE CURTAIN - TRANSCEIVER SET 510MM 2 BEAM. TYPE 4-SIL3-PLe	**$**	**1,988.20**
S 3B TRX	SAFEGATE CURTAIN - TRANSCEIVER SET 810MM 3 BEAM. TYPE 4-SIL3-PLe	**$**	**2,236.70**
S 4B TRX	SAFEGATE CURTAIN - TRANSCEIVER SET 910MM 4 BEAM. TYPE 4-SIL3-PLe	**$**	**2,411.70**
SM 3B TRX	SAFEGATE CURTAIN - TRANSCEIVER SET 810MM 3 BEAM-BUILT IN MUTING	**$**	**2,393.20**
SM 4B TRX	SAFEGATE CURTAIN - TRANSCEIVER SET 910MM 4 BEAM-BUILT IN MUTING. TYPE 4-SIL3-PL	**$**	**2,580.40**

Safety Light Curtain Accessories

A full range of accessories including floor-mount stands, tube-mounted mirrors, and IP69K food-grade approved watertight enclosures are available.

CABLE-CD5	CD5 SENSOR CABLE M12-STRAIGHT 5W 5M	**$**	**50.50**
CABLE-CD95	CD95 SENSOR CABLE M12-RIGHT ANGLE 5W 5M	**$**	**50.50**
CABLE-C8D5	C8D5 SENSOR CABLE M12 STRAIGHT 8W 5M	**$**	**98.20**
CABLE-C8D95	C8D5 SENSOR CABLE M12 RIGHT ANGLE 8W 5M	**$**	**98.20**
CABLE-CD10	CD10 SENSOR CABLE M12 STRAIGHT 5W 10M	**$**	**64.90**
CABLE-C8D10	C8D10 SENSOR CABLE M12 STRAIGHT 8W 10M	**$**	**109.70**
CABLE-C8D15	C8D10 SENSOR CABLE M12 STRAIGHT 8W 15M	**$**	**137.00**
CABLE-C8D20	C8D20 SENSOR CABLE M12 STRAIGHT 8W 20M	**$**	**165.90**
CABLE-C8D25	C8D25 SENSOR CABLE M12 STRAIGHT 8W 25M	**$**	**206.00**
CABLE-CD15	CD15 SENSOR CABLE M12 STRAIGHT 5W 15M	**$**	**86.60**
CABLE-CD20	CD20 SENSOR CABLE M12 STRAIGHT 5W 20M PVC	**$**	**101.00**
CABLE-CD25	CD25 SENSOR CABLE M12 STRAIGHT 5W 25M PVC	**$**	**122.60**
CABLE-CD50	CD50 SENSOR CABLE M12 STRAIGHT 5W 50M PVC	**$**	**274.00**
CFF8P10	SAFEGATE CABLE M12 8 POLE FEMALE-FEMALE STRAIGHT CONNECTORS	**$**	**180.50**
CS12D10	SAFEGATE CABLE M12 STRAIGHT 12W 10M	**$**	**188.30**
CS12D25	SAFEGATE CABLE M12 STRAIGHT 12W 25M	**$**	**365.00**
CS12D3	SAFEGATE M12 12-POLE FEMALE CONNECTOR WITH 3M CABLE	**$**	**107.40**
CS12USB	SAFEGATE USB-M12 5 POLE ADAPTER FOR LIGHT CURTAIN PROGRAMMING, 2M CABLE	**$**	**133.60**
CSY12RX	SAFEGATE CONNECTOR Y-M12 5POLE SPLITTER FOR 4 x RECEIVERS	**$**	**161.20**
CSY12TX	SAFEGATE CONNECTOR Y-M12 5POLE SPLITTER FOR 4 x EMITTERS	**$**	**161.20**
FE 4	BRACKETS FOR EOS SENSORS (SET OF 4) - ADJUSTABLE	**$**	**95.60**
FMC S4	SAFETY LIGHT CURTAIN MIRROR COLUMN FOR 4 BEAM LIGHT CURTAINS	**$**	**729.90**
FMC S 1700	SAFETY LIGHT CURTAIN MIRROR COLUMN, UP TO 1360mm HIGH	**$**	**877.70**
FMC S 2000	SAFETY LIGHT CURTAIN MIRROR COLUMN, UP TO 1660mm HIGH	**$**	**973.20**
FMC-EB1700	SAFETY LIGHT CURTAIN MIRROR COLUMN FOR EOS UP TO 1360mm HIGH LIGHT CURTAINS	**$**	**729.90**
FMC B12	SAFETY LIGHT CURTAIN MIRROR COLUMN FOR L"AND "T" SHAPE LIGHT CURTAINS1200mm HI"	**$**	**564.80**
FMC CB	SAFETY LIGHT CURTAIN BASE FOR FMC B12 MIRROR SUPPORT COLUMN	**$**	**417.10**
SAV-4E	RUBBER ISOLATION MOUNT M5 (PACK OF 4)	**$**	**45.00**
SAV-8E	RUBBER ISOLATION MOUNT M5 (PACK OF 8)	**$**	**89.80**
SFB 4E	BRACKETS FOR EOS SENSORS (SET OF 4) - SWIVEL	**$**	**52.20**
SFB 6E	BRACKETS FOR EOS SENSORS (SET OF 6) - SWIVEL	**$**	**78.30**
SFB E180	BRACKETS FOR EOS SENSORS (SET OF 4) - 180 DEG	**$**	**139.10**
SP 700 S	DEFLECTING MIRROR -885MM HIGH FOR UP TO 760MM PROTECTED HEIGHT	**$**	**599.60**
CABLE-C8-G3	C8G3 SENSOR CABLE M8 STRAIGHT 4W 3M	**$**	**29.80**
CABLE-C8-G5	C8G3 SENSOR CABLE M8 STRAIGHT 4W 5M	**$**	**39.70**
CABLE-C8-G95	C8G3 SENSOR CABLE M8 RIGHT ANGLE 4W 5M	**$**	**39.70**

Due to volatile international material costs, prices may change at short notice.
check before ordering

ReeR - Safety Controllers & Safety Relays

ReeR Mosaic Safety Controller

Mosaic is a modular, configurable safety controller for protecting machines or plant. It is capable of simultaneously monitoring several safety sensors and commands such as light curtains,laser scanners, photoelectric sensors, safety mats, mechanical switches emergency stops, etc., concentrating management of these signals in a single, flexible device. Many modules in the Mosaic system can be used as stand-alone devices, separately from the Mosaic system

MOSAIC-M1

MOSAIC-MR4

MOSAIC-MI16

MOSAIC-M1	MAIN UNIT CONFIGURABLE SAFETY CONTROLLER	$	990.70
MOSAIC-M1S	MAIN UNIT CONFIGURABLE SAFETY CONTROLLER, ENHANCED	$	1,238.30
MOSAIC-M1S-COM	MAIN UNIT CONFIGURABLE SAFETY CONTROLLER, ENHANCED WITH IINTEGRATED FIELDBUS	$	1,869.50
MOSAIC-MBEC	MOSAIC ETHERCAT INTERFACE - SCREW TERMINAL	$	1,108.20
MOSAIC-MBEM	MOSAIC MODBUS TCP INTERFACE	$	1,108.20
MOSAIC-MBEP			
MOSAIC-MBU	MOSAIC UNIVERSAL SERIAL INTERFACE	$	589.50
MOSAIC-MC100	MOSAIIC SHIELDED CABLE FOR MCT BUS TRANSFER 100METRES	$	1,052.70
MOSAIC-MC25	MOSAIIC SHIELDED CABLE FOR MCT BUS TRANSFER 25METRES	$	281.10
MOSAIC-MC50			
MOSAIC-MCM			
MOSAIC-MCT1	MOSAIIC ONE LINE BUS TRANSFER UNIT	$	552.70
MOSAIC-MCT2	MOSAIIC TWO LINE BUS TRANSFER UNIT	$	641.80
MOSAIC-MI12T8	MOSAIC INPUT EXPANSION UNIT 12 x DI PLUS 8 TEST OUTPUTS	$	866.80
MOSAIC-MI16	MOSAIC INPUT EXPANSION 16 x DI	$	784.20
MOSAIC-MI8			
MOSAIC-MI804	MOSAIC I/O EXPANSION 8 DI 4 x OSSD SINGLE 400mA OUTPUT	$	941.10
MOSAIC-MI8O2	MOSAIC I/O EXPANSION 8 DI 2 x OSSD PAIRS 400mA OUTPUT	$	817.30
MOSAIC-MO2	MOSAIC OUTPUT EXPANSION UNIT 2 OSSD PAIRS	$	758.90
MOSAIC-MO4	MOSAIC OUTPUT EXPANSION UNIT 2 OSSD PAIRS + 2 PROGRAMMABLE DO	$	920.80
MOSAIC-MO4L	MOSAIC OUTPUT EXPANSION UNIT 4 SINGLE OSSD + 2 PROGRAMMABLE DO	$	891.50
MOSAIC-MOR4S8			
MOSAIC-MOS16	MOSAIC 16 STATUS OUTPUTS EXPANSION UNIT	$	693.40
MOSAIC-MOS8	MOSAIC 8 STATUS OUTPUTS EXPANSION UNIT	$	577.90
MOSAIC-MR2	MOSAIC SAFETY RELAY MODULE 4 RELAYS - 4 N.O. + 1 N.C	$	386.40
MOSAIC-MR4	MOSAIC SAFETY RELAY MODULE 4 RELAYS - 4 N.O. + 2 N.C	$	563.50
MOSAIC-MR8	MOSAIC SAFETY RELAY MODULE 8 RELAYS - 8 N.O. + 4 N.C	$	1,126.80
MOSAIC-MSC	MOSAIIC SAFETY COMMUNICATION BUS CONNECTOR	$	41.30
MOSAIC-MV0	MOSAIIC SAFETY COMMUNICATION BUS CONNECTOR	$	41.30
MOSAIC-MV1H	SAFETY SPEED MONITOR EXPANSION - 1 INPUT FOR HTL ENCODER	$	1,155.70
MOSAIC-MV1S	SAFETY SPEED MONITOR EXPANSION - 1 INPUT SIN/COS ENCODER	$	1,155.70
MOSAIC-MV1T	MOSAIC SAFETY SPEED CONTROL EXPANSION - 1 INPUT FOR TTL ENCODER	$	1,362.10
MOSAIC-MV2T	MOSAIC SAFETY SPEED CONTROL EXPANSION - 2 INPUT FOR TTL ENCODERS	$	1,527.20
MOSAIC-CPM	MOSAIIC POLARIZED KEYS (PACK OF 10)	$	44.60
MOSAIC-CSU	MOSAIIC USB CABLE 1.8M	$	54.10
MOSAIC-MC25	MOSAIIC SHIELDED CABLE FOR MCT BUS TRANSFER 25METRES	$	281.10
MOSAIC-MC50	MOSAIIC SHIELDED CABLE FOR MCT BUS TRANSFER 50METRES	$	544.50
MOSAIC-MC100	MOSAIIC SHIELDED CABLE FOR MCT BUS TRANSFER 100METRES	$	1,052.70

ReeR Safety Relays & Interfaces

Safety Relay Modules for devices with integrated feedback input for EDM, with force-guided contacts and additional NC contact for monitoring by the light curtain and Safety Interfaces for dedicated interface between safety light curtains and control curcuits of machines or plant

AD-SRE4

SR-SELECT	SAFETY RELAY 2NO , 1 SYSTEM MONITOR PNP OUTPUT	$	483.50
AD-SR1	INTERFACE FOR SAFETY LIGHT CURTAINS	$	479.90
AD-SRE4	SAFETY RELAY E STOP" 3NO + 1NC"	$	470.40
AD-SRM	ITYPE 4 NTERFACE FOR SAFETY LIGHT CURTAINS WITH MUTING	$	617.00
AD-SRT	SAFETY RELAY, TWO HAND CONTROL, 3NO + 1NC	$	525.60
AUS X	SAFETY RELAY TYPE 2 - M18 P/CELLS	$	479.90

FINDER Force-Guided Relay Modules for Safety Applications2-metre cable, IP66

Relay modules with force-guided contacts for safety applications according to EN 50205, 2, 4 or 6-poles. Available in 24Vdc or 230Vac

7S.12-024-5110	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT,1NO+1NC 6A@250VAC, 24VDC COIL	$	137.90
7S.12-230-5110	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT,1NO+1NC 6A@250VAC, 230VAC COIL	$	189.60
7S.14-024-4220	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+2NC 6A@250VAC, 24VDC COIL	$	268.90
7S.14-024-4310	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 3NO+1NC 6A@250VAC, 24VDC COIL	$	268.90
7S.14-230-0220	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+2NC 6A@250VAC, 230VAC COIL	$	368.80
7S.14-230-4220	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 2NO+2NC 6A@250VAC, 230AC COIL	$	368.80
7S.14-230-4310	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 3NO+1NC 6A@250VAC, 230VAC COIL	$	368.80
7S.16-024-5420	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 4NO+2NC 6A@250VAC, 24VDC COIL	$	242.50
7S.16-230-0420	RELAY FORCE-GUIDED CONTACTS, DIN MOUNT, 4NO+2NC 6A@250VAC, 230VAC COIL	$	368.30

CEL Safety Relay Module with Force-Guided Contacts (for Safety Applications)

R-Safety	SAFETY RELAY 2 CH 3 N/O + 1 N/C 4A@250VAC	$	344.00

PIZZATO - SAFETY CONTROLLERS AND RELAYS

Pizzato CS AM series safety modules benefit from important technological advancement. Major new features include sensorless speed monitoring, more sophisticated motor control through parameterisation of the modules via software, and the ability to monitor motor operating data in real time. The three versions of the new CS AM series safety modules are available in two variants: permanently programmed or configurable. The configurable version is equipped with a USB Type-C port, which allows the device to be configured using special software, the CS AM Configurator, developed in-house by Pizzato Elettrica. The software can be downloaded by the user free of charge. It is also possible to choose between safety outputs with OSSD or relay technology. Modules with OSSD outputs are 22.5 mm wide, while those with relay outputs are 45mm wide.

PZ CS AM-01VE01	STANDSTILL SAFETY MODULE TO PLd, DIN MOUNT, 24-240VAC/DC	**$**	**-**
PZ CS AR-05V024	SAFETY RELAY, 3NO+1NC, XNC Ple 24VAC/DC, AUTO/MANUAL RESTART	**$**	**589.80**
PZ CS AR-05V120	SAFETY RELAY, 3NO+1NC, XNC Ple 120VAC, AUTO/MANUAL RESTART	**$**	**658.60**
PZ CS AR05V230	SAFETY RELAY, 3NO+1NC, XNC Ple 230VAC, AUTO/MANUAL RESTART	**$**	**658.60**
PZ CS AR-51V024	SAFETY MAT-SAFETY EDGE MODULE, PLe 24VAC/DC 2NO	**$**	**497.30**
PZ CS AT-02V024	SAFETY RELAY, 2NO+1NC, INSTANTANEOUS, 2NO DELAYED CONTACTS Ple 24VAC/DC	**$**	**1,072.70**
PZ CS AT-03V120	SAFETY RELAY, 2NO+1NC, INSTANTANEOUS, 2NO.DELAYED CONTACTS, 3-30SECS Ple 120VAC	**$**	**1,125.50**
PZ CS DM-01V024	TWO HAND CONTROL, 3NO+1NC Ple 24VAC/DC, AUTO/MANUAL RESTART	**$**	**830.50**
PZ CS ME-01	SAFETY RELAY EXPANSION MODULE, 5NO+1NC,1NC FEEDBACK CONTACT, Ple 24VAC/DC	**$**	**576.60**
PZ CS ME-01M024	SAFETY RELAY EXPANSION MODULE, 5NO+1NC, Ple 24VAC/DC	**$**	**614.10**
PZ CS ME-03VU24	SAFETY RELAY EXPANSION MODULE, 3NO+1NC, 24VAC/DC	**$**	**387.97**
PZ CS MP202M0	PROGRAMABLE SAFETY CONTROLLER, 16IN/4OUT, 4 TEST OUT, 4 PNP OSSD, 24VDC	**$**	**2,221.60**
PZ CS MP203M0	PROGRAMABLE SAFETY CONTROLLER, 12IN/4OUT, 4 TEST OUT, 3NO+1NO RELAY OUT, 24VDC	**$**	**2,459.50**
PZ CS MP208M0	PROGRAMABLE SAFETY CONTROLLER, 16IN, 4 TEST OUT, 8 PNP OSSD, 24VDC	**$**	**2,333.90**
PZ CS MP308M0	PROGRAMABLE SAFETY CONTROLLER, 24IN/8OUT, 4 TEST OUT, 8 PNP OSSD, 24VDC	**$**	**2,833.20**
PZ CS MP403M0	PROGRAMABLE SAFETY CONTROLLER, 40IN/8OUT, 4 TEST OUT, 8 PNP OSSD, 24VDC	**$**	**3,219.00**

ReeR - MAGENTIC SENSORS AND MECHANICAL SAFETY SWITCHES

ReeR - Safelock Safety Switches, electrical and mechanical release, IP67

The SAFELOCK safety switch from REER is used to protect personnel by monitoring and interrupting the safety circuit depending on the position of the machine guard. The 24Vac/dc powered SAFELOCK switch has positive opening-contacts, horizontal or vertical approach direction, and is IP67 protected

SLK-E-P-2NC-24	GUARD LOCK TONGUE SWITCH ELECTRICAL TYPE	$	498.70
SLK-M-P-2NC-24	GUARD LOCK TONGUE SWITCH MECHANICAL TYPE	$	498.70
ACT-S-A-RB	TONGUE ACTUATOR FOR SLK SWITCH. ANGLED WITH RUBBER BUSH	$	49.90
ACT-S-S-RB	TONGUE ACTUATOR FOR SLK SWITCH. STRAIGHT WITH RUBBER BUSH	$	41.60

ReeR - Magnetic Safety Switches with coded magnets, IP67

Magnetic Safety switches can be connected with: Either, the Mosaic programmable safety controller, with which they are certified to reach safety level PLe / SIL3 (up to 4 sensors with M1) or, the dedicated interface MGd1, with which they are certified to reach PLd (1 sensor) or PLc (up to 4 sensors)

MG-B-20	MAGNETIC SWITCH MAGNUS BIG 2NO M8 4P	$	132.70
MG-B-M	MAGNET FOR MG-B-20 STANDARD	$	38.40
MG-B-M+	MAGNET FOR MG-B-20 BIG	$	47.20
MG-M-20	MAGNETIC SWITCH MAGNUS M30 2NO M8 4P	$	132.70
MG-M-M	MAGNET M30 FOR MG-M-20 STANDARD	$	38.40
MG-M-M+	MAGNET M30 FOR MG-M-20 BIG	$	47.20
MG-S-20	MAGNETIC SWITCH MAGNUS 2NO M8 4P	$	141.50
MG-S-M	MAGNET FOR MG-S-20	$	47.20
MG-D1	CONTROL UNIT FOR MAGNUS MAGNETIC SWITCHES	$	-

Cables

CABLE-C8-G3	C8G3 SENSOR CABLE M8 STRAIGHT 4W 3M	$	29.80
CABLE-C8-G5	C8G3 SENSOR CABLE M8 STRAIGHT 4W 5M	$	39.70
CABLE-C8-15	C8G3 SENSOR CABLE M8 STRAIGHT 3W 15M	$	81.10
CABLE-C8-5	C8G3 SENSOR CABLE M8 STRAIGHT 3W 5M	$	54.10
CABLE-C8-G5	C8G3 SENSOR CABLE M8 STRAIGHT 4W 5M	$	39.70
CABLE-C8-G95	C8G3 SENSOR CABLE M8 RIGHT ANGLE 4W 5M	$	39.70

PIZZATO - Foot Switches

PZ PX10110-BM2	FOOT SWITCH, SINGLE YELLOW POLYMER PROTECTED, FOR VFKIT31,1NO+1NC, IP53	$	130.70
PZ PX10110-M2	FOOT SWITCH, SINGLE YELLOW POLYMER PROTECTED, 1NO+1NC, IP53	$	124.00
PZ PX10120-M2	FOOT SWITCH, SINGLE YELLOW POLYMER PROTECTED,1NO+1NC, POSITIVE OPENING, IP53	$	154.00
PZ PX12040-BM2	FOOT SWITCH SINGLE YELLOW POLYMER PROTECTED 2 STAGE SAFETY LEVER FOR VFKIT31	$	163.80
PZ PX12040-M2	FOOT SWITCH SINGLE YELLOW POLYMER PROTECTED, 2 STAGE SAFETY LEVER	$	157.10
PZ KIT20	FOOT SWITCH JOINING PLATE	$	17.70
PZ KIT34	EMERGENCY STOP P/B STATION 2NC, FOR FOOTSWITCH MOUNTING	$	97.40
PZ VF KIT20	FOOT SWITCH JOINING ELEMENT	$	17.70
PZ VF KIT30	FOOT SWITCH JOINING ELEMENT WITH HOLE FOR TUBE MOUNTING	$	20.80
PZ VF KIT31	FOOT SWITCH THREADED ALUMINIUM PIPE, 660mm, FOR PZX10110-BM02	$	78.60
PZ VF KIT34	FOOT SWITCH E-STOP MOUNTING KIT, 2NC	$	97.40
PZ VF KIT50	FOOT SWITCH, E-STOP CARRY HANDLE	$	46.90
PZ VF KIT60	FOOT SWITCH STABILISING PLATE, FOR SINGLE PZX10110 SERIES	$	54.70
PZ VF KIT61	FOOT SWITCH STABILISING PLATE, FOR DOUBLE SWITCH PZX10110 SERIES	$	89.90

PIZZATO - Rope-Pull Switches

PZ FD1879-M2	ROPE PULL SWITCH, WITHOUT RESET, METAL BODY,1NO+1NC SLOW ACTION	$	92.30
PZ FD1880-M2	ROPE PULL SWITCH, TRANSVERSAL HEAD, NO RESET, METAL BODY,1NO+1NC SLOW ACTION	$	114.80
PZ FD1883-M2	ROPE PULL SWITCH, L/H TRANSVERSAL HEAD WITH RESET,1NO+1NC SLOW ACTION	$	157.90
PZ FD1884-M2	ROPE PULL SWITCH, R/H TRANSVERSAL HEAD WITH RESET,1NO+1NC SLOW ACTION	$	157.90
PZ FD2083-M2	ROPE PULL SWITCH, L/H TRANSVERSAL HEAD, RESET, METAL BODY,1NO+2NC SLOW ACTI ON	$	176.80
PZ FD2084-M2	ROPE PULL SWITCH, R/H TRANSVERSAL HEAD, RESET, METAL BODY,1NO+2NC SLOW ACTION	$	176.80
PZ FD983-M2	ROPE PULL SWITCH, METAL BODY, STRAIGHT HEAD WITH RESET 2NC	$	161.30
PZ VF AF-1F1GR02	ENGRAVED LABEL FOR ROPE SWITCH - EMERGENCY STOP	$	15.20
PZ VF AF-CA10	ROPE PULL SWITCH, ANGULAR PULLEY	$	68.10
PZ VF AF-CA5	ROPE PULL SWITCH, SAFETY ROPE PULLEY	$	60.60
PZ VF AF-KT10M7	ROPE KIT - 10M FOR ROPE-PULL SWITCH FL978-M2 C/W TENSION SPRING	$	137.50
PZ VF AF-KT20M0	ROPE KIT - 20M FOR ROPE-PULL SWITCH FL978-M2	$	135.20
PZ VF AF-KT20M0-CEL	ROPE KIT - 20M FOR ROPE-PULL SWITCH, INCLUDES PULLEYS , LOCAL ASSEMBLY	$	-
PZ VF AF-KT35M0	ROPE KIT - 35M FOR ROPE-PULL SWITCH FL978-M2	$	211.60
PZ VF AF-ME78	ROPE PULL SWITCH, SAFETY SPRING FOR USE WITH LONGITUDINAL HEAD	$	44.20
PZ VF AF-ME80	ROPE SWITCH SAFETY SPRING FOR USE WITH TRANSVERSAL HEAD	$	44.20
PZ VF AF-MR5	ROPE PULL SWITCH SAFETY END CLAMP	$	18.00
PZ VF AF-TR5	ROPE PULL SWITCH, HOOKED ADJUSTABLE STAY BOLT,112-142mm, M6	$	29.60
PZ VF AF-TR8	ROPE PULL SWITCH, ADJUSTABLE STAY BOLT, 61-82.3mm, M10	$	21.90

RFID AND INDUCTIVE SAFETY SENSORS

RRFID Sensors from ReeR offer three different coding levels, individual, unique, or actuator coding to provide flexibility for the most demanding applications. Available in 22mmor 78mm mounting options with 5M cable these units provide 8mm sening, 2 x NO solid state (400mA max) outputs and IP67/60K protection. RRFID sensors are suitable for use in almost any industry, including food and beverage, pharmaceuticals and chemical handling.

ReeR - RSAFE RFID Safety Switches

RRFID A S G	RFID STANDARD ACTUATOR, 22mm, GENERIC CODING	$	92.00
RRFID BASIC C S G 5	RFID BASIC COMBO (SENSOR + ACTUATOR), GENERIC CODING, INTERAXIS 22mm, 5M CABLE	$	306.30
RRFID BASIC C S G P	RFID BASIC COMBO (SENSOR + ACTUATOR), GENERIC CODING, 22mm, M12 5-POLE PIG-TAIL	$	315.70
RRFID CRY12-S1	Y SPLITTER 5P-8P FOR R-SAFE PLUS RRFID, FIRST SENSOR OF A SERIES	$	83.00
RRFID CRY12-S2	Y SPLITTER 5P-5P FOR R-SAFE PLUS RRFID, SUBSEQUENT SENSORS OF A SERIES	$	69.20
RRFID PLUS C S G C	RFID PLUS COMBO (SENSOR + ACTUATOR), GENERIC CODING, INTERAXIS 22mm, M12 8-POLE	$	307.40
RRFID PLUS C S G P	RFID PLUS COMBO (SENSOR + ACTUATOR), GENERIC CODING, 22mm, M12 8-POLE PIG-TAIL	$	347.30
RRFID PLUS C S T C	RFID PLUS COMBO (SENSOR + ACTUATOR), TEACH-IN CODING, INTERAXIS 22mm, M12 8-POLE	$	322.70
RRFID PLUS C S T P	RFID PLUS COMBO (SENSOR + ACTUATOR),TEACH-IN CODING, 22mm, M12 8-POLE PIG-TAIL	$	364.70
RRFID PLUS C S T X	RFID PLUS COMBO (SENSOR + ACTUATOR), TEACH-IN CODING, INTERAXIS 22mm, 10M CABLE	$	376.50
RRFID PLUS C S U C	RFID PLUS COMBO (SENSOR + ACTUATOR), UNIQUE CODING, INTERAXIS 22mm, M12 8-POLE	$	338.90

PIZZATO - Solenoid Lock with RFID

PZ NG 2D1D411A-F30

PZ NG 2D1D411A-F30	NG SERIES RFID SAFETY SWITCH C/W LOCK AND ACTUATOR - POWER TO UNLOCK	$	1,791.50
PZ NG 2D1D411H-F31	NG SERIES RFID SAFETY SWITCH C/W LOCK AND ACTUATOR, WHITE PB M20 CONNECTION	$	1,791.50
PZ NG2D1D411HF31K601	NG SERIES RFID SAFETY SWITCH C/W LOCK AND ACTUATOR, WH PB 1 NC/1NO, M23 CONNECT	$	-
PZ NG-F30	CODED ACTUATOR, LOW LEVEL FOR NG SERIES	$	246.95
PZ NS D4AZ1SMK-F40	NS SERIES RFID SAFETY SWITCH C/W LOCK AND ACTUATOR - POWER TO UNLOCK	$	1,232.20
PZ NS E4ZZ1SMK-F40	NS SERIES RFID SAFETY SWITCH C/W LOCK AND ACTUATOR - POWER TO LOCK	$	1,232.20
PZ NSD4AZ1SRKF4N005	NS SERIES RFID SAFETY SWITCH WITH LOCK AND INTEGRATED CONTROL	$	-

PZ NS E4ZZ1SMK-F40

PZ NSE4TE1SRKF40N088	NS SERIES RFID SAFETY SWITCH C/W LOCK AND ACTUATOR + 3 BUTTON OPERATOR STATION	$	-
PZ SM D0T	CODED ACTUATOR, LOW LEVEL, USED WITH ST D, ST G, ST H SAFETY SENSORS	$	52.60
PZ SM D1T	CODED ACTUATOR, HIGH LEVEL, USED WITH ST D, ST G, ST H SAFETY SENSORS	$	52.60
PZ SM H0T	CODED ACTUATOR, LOW LEVEL, USED WITH ST G, ST H SAFETY SENSORS	$	53.50
PZ SM H1T	CODED ACTUATOR, HIGH LEVEL, USED WITH ST G, ST H SAFETY SENSORS	$	53.50
PZ ST DD420MK-D1T	ST-DD SERIES RFID SAFETY SENSOR (ACTUATOR INCLUDED)	$	482.30
PZ ST GD420MP	ST-G SERIES 22mm RFID SAFETY SENSOR (USED WITH SMART KUBE)	$	376.70
PZ ST HD420MP	ST-H SERIES 78mm RFID SAFETY SENSOR	$	425.70
PZ NXB42AZ1SMK-F61	RFID SAFETY SWITCH, MODE 1 BISTABLE SOLENOID, RE-PROGRAMMABLE ACTUATOR	$	1,219.60

ReeR - PI-SAFE Inductive Safety Sensors

PI-SAFE Inductive Proximity sensors provide a wear-free, non-contact detection of metal objects such as doors or flaps at closed position with 2 x OSSD (Output Signal Switching Device) outputs, 10-30Vdc

PI M18 F

PI M18 NF

PI M12 B	PI-SAFE M12 ANGLE BRACKET	$	18.20
PI M12 NF	PI-SAFE M12 INDUCTIVE PROXIMITY 0.5-4MM-UNSHIELDED -2 OSSD OUTPUTS- PLd	$	547.10
PI M18 B	PI-SAFE M18 ANGLE BRACKET	$	18.20
PI M18 F	PI-SAFE M18 INDUCTIVE PROXIMITY 1-5MM SHIELDED -2 OSSD OUTPUTS- PLd	$	634.00
PI M18 FR	PI-SAFE M18 INDUCTIVE PROXIMITY 10MM SHIELDED -2 OSSD OUTPUTS- PLd	$	608.00
PI M18 NF	PI-SAFE M18 INDUCTIVE PROXIMITY 1-8MM-UNSHIELDED -2 OSSD OUTPUTS- PLd	$	616.60
PI M30 B	PI-SAFE M30 ANGLE BRACKET	$	27.30
PI M30 F	PI-SAFE M30 INDUCTIVE PROXIMITY 1-10MM SHIELDED -2 OSSD OUTPUTS- PLd	$	634.00
PI M30 NF	PI-SAFE M30 INDUCTIVE PROXIMITY 1-15MM UNSHIELDED -2 OSSD OUTPUTS- PLd	$	616.60
PI M30 NF K	PI-SAFE M30 INDUCTIVE PROXIMITY IP69K 6-12MM UNSHIELDED -2 OSSD OUTPUTS- PLe	$	1,380.80
PI SQ F NF	PI-SAFE SQUARE INDUCTIVE PROXIMITY 10-15MM SHIELDED/UNSHIELDED -2 OSSD OUTPUTS-	$	1,415.60
PI SQ NF	PI-SAFE SQUARE INDUCTIVE PROXIMITY 4-20MM UNSHIELDED -2 OSSD OUTPUTS-	$	1,415.60

PIZZATO - Safety Tongue Switches

PZ FD2093-FM2	SAFETY TONGUE SWITCH, SEPARATE ACTUATOR, METAL BODY, 1NO+2NC SLOW ACTION, M20	$	138.80
PZ FD21R2-L10F	SAFETY TONGUE SWITCH SEPARATE ACTUATOR, MANUAL MECHANICAL DELAY, METAL BODY, M20	$	167.60
PZ FP20R2-L10M2	SAFETY TONGUE SWITCH WITH MANUAL MECHANICAL DELAY - 10 SECONDS	$	-
PZ FP6R2-F	SAFETY TONGUE SWITCH WITH MANUAL MECHANICAL DELAY	$	136.80
PZ FR2093-D1-M2	SAFETY TONGUE SWITCH, WITH ACTUATOR, RESIN BODY,1NO+2 NC SLOW ACTION, M20 GLAND	$	100.40
PZ FR2093-M2	SAFETY TONGUE SWITCH, RESIN BODY,1NO+2 NC SLOW ACTION, M20 GLAND	$	94.80
PZ FR692	SAFETY TONGUE SWITCH, RESIN BODY,1NO+1 NC SLOW ACTION, M20 GLAND	$	81.10
PZ FW592-E3M2K70	SAFETY TONGUE SWITCH WITH SEPARATE ACTUATOR, 1NC+1NO, M12 4P CONN	$	114.50
PZ FW992-E3M2	SAFETY TONGUE SWITCH WITH SEPARATE ACTUATOR, 30N, 2NC SLOW ACTION, M20 GLAND	$	122.20
PZ VF KEYF	STRAIGHT TONGUE ACUTATOR FOR FC, FD,FL,FP,FS SERIES	$	16.00
PZ VF KEYF1	RIGHT ANGLE TONGUE ACUTATOR FOR FC, FD,FL,FP,FS SERIES	$	16.00
PZ VF KEYF2	STRAIGHT ACTUATOR FOR FP SERIES	$	20.30

SAFETY LASER SCANNERS

ReeR Safety Scanners Safety monitoring of dangerous areas. IP65 protected

The Safety Laser Scanner is an electro-sensitive device for the protection of operators against the risk of accidents caused by industrial machines and plants with potentially dangerous moving parts and against possible collisions with Automatic Guided Vehicles (AGV).Using the Safety Laser Sensor, precise programmable receiving element. It is also possible to use the Laser Scanner in a vertical position for the access protection to a dangerous area, in that case detection of the edge of the gate is mandatory. The Hokuyo UAM series is The smallest size in the word with a versatile range for safety applications. Protection over 5 metres and warning one up to 20 metres.

UAM-05LP-T301	HOKOYU SAFETY LASER SCANNER WITH 5M INTEGRAL CABLE	**$**	**7,241.90**
UAM-05LP-T301C	HOKOYU SAFETY LASER SCANNER WITH CONNECTOR	**$**	**7,241.90**
UAM-30LS-TOWER-SHORT	HOKOYU SCANNER TOWER-SHORT	**$**	**-**
UAM-BK03	HOKOYU SCANNER MOUNTING BRACKET	**$**	**329.50**
UAM-BK04	HOKUYO SCANNER VERTICAL REAR MOUNT BRACKET	**$**	**486.40**
UAM-BK05	HOKOYU SCANNER COVER PROTECTION BRACKET	**$**	**235.40**
UAM-ENET	HOKUYO ETHERNET CABLE 3 METRES	**$**	**537.20**
UAM-MUSB	HOKUYO SCANNER MICRO USB CABLE	**$**	**67.20**
UAM-W002	HOKUYO SCANNER REPLACEMENT WINDOW	**$**	**-**
UAM-MPD	HOKUYO ETHERNET CABLE 3 METRES	**$**	**537.20**
UAM-5C02.5M-SPECIAL	HOKOYU SAFETY SCANNER 2.5M EXTENSION CABLE WITH CONNECTOR (JFS)	**$**	**-**
UAM-5C05C	HOKOYU SAFETY SCANNER 5M EXTENSION CABLE	**$**	**1,611.60**
UAM-5C07M-SPECIAL	HOKOYU SAFETY SCANNER 7M EXTENSION CABLE WITH CONNECTOR (JFS)	**$**	**-**
UAM-5C08M-SPECIAL	HOKOYU SAFETY SCANNER 8M EXTENSION CABLE WITH CONNECTOR (JFS)	**$**	**-**
UAM-5C10C	HOKOYU SAFETY SCANNER 10M EXTENSION CABLE WITH CONNECTOR	**$**	**2,014.40**
UAM-5C10M-SPECIAL	HOKOYU SAFETY SCANNER 10M EXTENSON CABLE WITH CONNECTOR (JFS)	**$**	**-**
UAM-5C15M-SPECIAL	HOKOYU SAFETY SCANNER 15M EXTENSION CABLE WITH CONNECTOR (JFS)	**$**	**-**

DATALOGIC - Safety Scanners Safety monitoring for dangerous areas IP65 protected

The Laser Sentinel provides a complete application-oriented solution based on the safe monitoring of a two dimensional area including all functions needed for static horizontal and vertical applications (such as robot cells, machine perimeter protection, machine opening protections, etc.) as well as dynamic applications (such as robot cells, machine perimeter protection, machine opening protections, etc.) as well as dynamic applications (automated guided vehicles, automated guided carts and forklifts) in a compact device with high level detection performances. SIL 2 - SILCL2 / PL d - Cat. 3 Features: I/O connection with standard 8 pin female M12 cable, 1 warning zone, 70mm detection capability 3 zone sets available, metal brackets allow full orientation and fast replacement, auto/manual restart, colour graphic display for monitoring and diagnostics.

SLS-B5-SCANNER	SAFETY LASER SCANNER SIL2, Pl d, TYPE 3. 5.5M MAX SAFETY RADIUS AREA 40M	**$**	**6,928.80**
SLS-BRACKET-A	SAFETY LASER SCANNER COMPLETE BRACKET SYSTEM	**$**	**363.80**
SLS-SA5-08	SAFETY LASER SCANNER SIL2, Pl d, TYPE 3. 5.5M MAX SAFETY RADIUS AREA 40M 6 ZONE	**$**	**7,331.40**
CS-A1-06-U-10	CABLE M12 8POLE 10M FOR SLS SCANNER	**$**	**76.20**

GAMMA SYSTEMS - Safety Mats, Pressure Sensitive Edges and Bumper stops

Gamma System *SAFETY MAT* is a "safety component" which acts as an "electrical, pressure sensitive device designed to detect the presence of a human body" and is used in combination with a Safety Relay.

The *SAFETY SENSITIVE EDGE* is a safety component used to avoid crashing or cutting risks by sliding doors, automatic moving guards, automated moving guards, electrical gates, etc.

The PRESSURE-SENSITIVE SAFETY BUMPER is used to protect personnel from collison against vehicles or moving parts of an industrial machine such as AGV or stacker cranes, wire-guided vehicles, automatic warehouse, etc.

safety mat

safety edge

safety bumper

The product range is custom built and indented to order - enquire about a product to meet your specific application needs.

LIMIT SWITCHES AND MICROSWITCHES

PIZZATO - DIN Size Plastic & Metal Limit Switches – IP67

Plastic Body Switches

PZ FR501-M2	LIMIT SWITCH, PISTON PLUNGER, RESIN BODY,1NO+1NC, M20 GLAND	$	68.60
PZ FR501-XM2	LIMIT SWITCH, S/S PISTON PLUNGER, RESIN BODY,1NO+1NC, M20 GLAND	$	125.00
PZ FR502-M2	LIMIT SWITCH, ONE-WAY ROLLER, RESIN BODY,1NO+1NC, M20 GLAND	$	75.73
PZ FR505-M2	LIMIT SWITCH, VERTICAL ONE WAY ROLLER LEVER, RESIN BODY, 1NO+1NC, M20 GLAND	$	77.63
PZ FR515-M2	LIMIT SWITCH, ROLLER PISTON PLUNGER, RESIN BODY,1NO+1NC, M20 GLAND	$	77.63
PZ FR521-M2	LIMIT SWITCH, WHISKER, RESIN BODY,1NO+1NC, M20 GLAND	$	68.60
PZ FR525-M2	LIMIT SWITCH, METAL SPRING, RESIN BODY,1NO+1NC, M20 GLAND	$	86.38
PZ FR530-M2	LIMIT SWITCH, BI-DRIECTIONAL METAL ROLLER LEVER, RESIN BODY,1NO+1NC, M20 GLAND	$	85.70
PZ FR531-M2	LIMIT SWITCH, BI-DRIECTIONAL ROLLER, RESIN BODY,1NO+1NC, M20 GLAND	$	85.70
PZ FR531-XM2V38	LIMIT SWITCH, BI-DRIECTIONAL S/S ROLLER, RESIN BODY,1NO+1NC, M20 GLAND	$	135.00
PZ FR555-M2	LIMIT SWITCH, ADJUSTABLE ROLLER LEVER, RESIN BODY,1NO+1NC, M20 GLAND	$	85.70
PZ FR555-M2K23	LIMIT SWITCH, ADJUSTABLE LEVER, RESIN BODY,1NO+1NC, M20 GLAND	$	89.00
PZ FR555-M2K70	LIMIT SWITCH, ADJUSTABLE ROLLER LEVER, RESIN BODY,1NO+1NC, M12 CONN	$	89.00
PZ FR556-XM2V38	LIMIT SWITCH, S/S ADJUSTABLE ROLLER LEVER, RESIN BODY,1NO+1NC, M20 GLAND	$	135.00
PZ FR557-M2	LIMIT SWITCH, PLASTIC ROLLER LEVER ACTUATOR, PLASTIC BODY,1NO+1NC, M20 GLAND	$	77.63
PZ FR569-M2	LIMIT SWITCH, BI-DIRECTIONAL ADJ, 200MM ROD, RESIN BODY,1NO+1NC, M20 GLAND	$	77.63
PZ FR605-M1	LIMIT SWITCH, ONE-WAY ROLLER, RESIN BODY,1NO+1NC, M16 GLAND	$	75.73
PZ FR630-W3-M2	LIMIT SWITCH, ROLLER LEVER WITH RESET, RESIN BODY, 1NO+1NC, M20 GLAND	$	74.00
PZ FR652-W3-M2	LIMIT SWITCH, ROLLER LEVER WITH RESET, RESIN BODY, 1NO+1NC, M20 GLAND	$	74.00
PZ FR653-E0M2V9	LIMIT SWITCH, PORCELAIN ROLLER LEVER ACTUATOR, PLASTIC BODY,1NO+1NC SLOW ACTION,	$	85.70

Metal Body Switches

PZ FM501-M2	LIMIT SWITCH, PISTON PLUNGER, METAL BODY,1NO+1NC, M20 GLAND	$	106.08
PZ FM502-M2	LIMIT SWITCH, ONE-WAY ROLLER, METAL BODY,1NO+1NC, M20 GLAND	$	106.08
PZ FM505-M2	LIMIT SWITCH, VERTICAL ONE WAY ROLLER LEVER, METAL BODY,1NO+1NC, M20 GLAND	$	106.08
PZ FM515-M2	LIMIT SWITCH, ROLLER PISTON PLUNGER, METAL BODY,1NO+1NC, M20 GLAND	$	106.08
PZ FM525-M2	LIMIT SWITCH, METAL SPRING, METAL BODY,1NO+1NC, M20 GLAND	$	113.03
PZ FM531-M2	LIMIT SWITCH, BI-DRIECTIONAL ROLLER, METAL BODY,1NO+1NC, M20 GLAND	$	114.35
PZ FM555-M2	LIMIT SWITCH, ADJUSTABLE LEVER, METAL BODY,1NO+1NC, M20 GLAND	$	118.63
PZ FM557-M2	LIMIT SWITCH, PLASTIC ROLLER LEVER ACTUATOR, METAL BODY,1NO+1NC, M20 GLAND	$	118.83
PZ FM569-M2	LIMIT SWITCH, BI-DIRECTIONAL ADJ, 200mm ROD, METAL BODY,1NO+1NC, M20 GLAND	$	118.83
PZ FM655-M2	LIMIT SWITCH, ADJUSTABLE LEVER, METAL BODY,1NO+1NC SLOW ACTION, M20 GLAND	$	118.63

PZ FD1656-M2	LIMIT SWITCH, BI-DIRECTIONAL ADJ ROLLER LEVER, METAL BODY, 2NC, M20 GLAND	$	119.00
PZ FD508-M2	LIMIT SWITCH, METAL BODY, PISTON PLUNGER, 1NO+1NC	$	119.00
PZ FD515-M2	LIMIT SWITCH, METAL BODY, ROLLER PISTON PLUNGER,1NO+1NC	$	119.00
PZ FD521-M2	LIMIT SWITCH, METAL BODY, COIL SPRING WITH CATS WHISKER, 1NO+1NC	$	119.00
PZ FD525-M2	LIMIT SWITCH, METAL BODY, COIL SPRING, 1NO+1NC	$	119.00
PZ FD531-M2	LIMIT SWITCH, METAL BODY, ROLLER LEVER,1NO+1NC	$	119.00
PZ FD531-M2R24	LIMIT SWITCH, METAL BODY, Ø20mm ROLLER LEVER,1NO+1NC	$	119.00
PZ FD535-M2	LIMIT SWITCH, METAL BODY, BI-DIRECTIONAL ADJ ROLLER LEVER,1NO+1NC	$	119.00
PZ FD536-M2	LIMIT SWITCH, METAL BODY, 200mm ADJ FIBREGLASS ROD,1NO+1NC	$	119.00
PZ FD538-M2	LIMIT SWITCH, METAL BODY, FOR ROTATING LEVERS (NO LEVER) ,1NO+1NC	$	119.00
PZ FD556-M2R24	LIMIT SWITCH, METAL BODY, Ø20mm ROLLER WITH ADJUSTABLE LEVER, 1NO+1NC	$	119.00

A wide variety of other LIMIT SWITCHES are available on request

PIZZATO - MICROSWITCHES

PZ MKV11D05	MICROSWITCH WITH BUTTON PLUNGER,1NO+1NC CHANGEOVER	$	36.20
PZ MKV11D10	MICROSWITCH WITH M12 THREADED PLUNGER,1NO+1NC CHANGEOVER	$	36.20
PZ MKV11D13	MICROSWITCH WITH SEALED PLUNGER,1NO+1NC CHANGEOVER	$	43.50
PZ MKV11D15	MICROSWITCH WITH ROLLER PLUNGER,1NO+1NC CHANGEOVER	$	53.57
PZ MKV11D17	MICROSWITCH WITH TRANSVERSAL ROLLER PLUNGER,1NO+1NC CHANGEOVER	$	38.79
PZ MKV11D30	MICROSWITCH WITH 63mm LEVER,1NO+1NC CHANGEOVER	$	30.30
PZ MKV11D40	MICROSWITCH WITH 48mm ROLLER LEVER,1NO+1NC CHANGEOVER	$	32.75
PZ MKV11D45	MICROSWITCH WITH 25mm ROLLER LEVER,1NO+1NC CHANGEOVER	$	32.75
PZ VFC01	TERMINAL COVER FOR SCREW TERMINALS, MKV11 MICROSWITCHES	$	3.00
PZ VFC02	TERMINAL COVER WITH PG9 GLAND, MKV11 MICROSWITCHES	$	5.00

CROUZET - V3 Microswitches (16A/250Vac)

83161806	MICROSWITCH LOW FORCE GOLD CONTACTS 6.3MM TAB	$	13.70
83161338	MICROSWITCH V3 STANDARD 6.3mm TABS 16A	$	11.60

CROUZET - Specialised Microswitches

83123018	MICROSWITCH IP66 RUBBER SEALEDS, 0.5m CABLE	$	205.00
831370	MICROSWITCH ROTARY ACTION WITH WHISKER LEVER	$	63.10

CROUZET - Levers For 83161 Microswitches

LEVER-161-A25	MICROSWITCH LEVER, PLAIN 25.4mm	$	3.30
LEVER-161-E13	MICROSWITCH LEVER, ROLLER 13.6mm (79215742)	$	3.30
LEVER-161-E24	MICROSWITCH LEVER, ROLLER 24.1mm	$	3.30
LEVER-161-F	MICROSWITCH DUMMY ROLLER LEVER, FOR 83161 R22.2mm	$	3.30
LEVER-161-G	MICROSWITCH DUMMY ROLLER LEVER, FOR 83161 R21.8mm	$	2.50

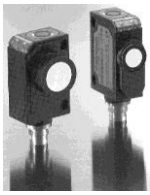
ULTRASONIC SENSORS

MICROSONIC - Ultrasonic Sensors

MIC+ sensors with "TouchControl" electronic push-button control for setup, LED readout for setting target distance parameters in mm/cm or %, M30 nickel-plated housing, M12 plug-in connector

MIC+130/D/TC	ULTRASONIC SENSOR, DIGITAL, M30/1300mm 10-30VDC, 1 x PNP, M12	$	667.00
MIC+130/DD/TC	ULTRASONIC SENSOR, DIGITAL, M30/1300mm 10-30VDC, 2 x PNP, M12	$	921.70
MIC+130/DIU/TC	ULTRASONIC SENSOR, DIGITAL, M30/1300mm 10-30VDC, 1 x PNP + 4-20mA, M12	$	1,461.40
MIC+130/IU/TC	ULTRASONIC SENSOR, DIGITAL, M30/1300mm 10-30VDC, 4-20mA, 0-10VDC M12	$	1,206.70
MIC+130/IU/TCE	ULTRASONIC SENSOR, DIGITAL, M30/1300mm 10-30VDC, 4-20mA, 0-10VDC OUT, M12	$	1,286.30
MIC+25/D/TC	ULTRASONIC SENSOR, DIGITAL, M30/250mm 10-30VDC, 1 x PNP, M12	$	667.00
MIC+25/DD/TC	ULTRASONIC SENSOR, DIGITAL, M30/250mm 10-30VDC, 2 x PNP, M12	$	921.70
MIC+25/DIU/TC	ULTRASONIC SENSOR, DIGITAL, M30/250mm 10-30VDC, 1 x PNP + 4-20mA, M12	$	1,461.40
MIC+25/IU/TC	ULTRASONIC SENSOR, DIGITAL, M30/250mm 10-30VDC, 4-20mA, M12	$	1,206.70
MIC+340/D/TC	ULTRASONIC SENSOR, DIGITAL, M30/3400mm 10-30VDC, 1 x PNP, M12	$	715.50
MIC+340/DD/TC	ULTRASONIC SENSOR, DIGITAL, M30/3400mm 10-30VDC, 2 x PNP, M12	$	1,006.60
MIC+340/DIU/TC	ULTRASONIC SENSOR, DIGITAL, M30/3400mm 10-30VDC, 1 x PNP + 4-20mA, M12	$	1,389.50
MIC+340/F/TC	ULTRASONIC SENSOR, DIGITAL, M30/3400mm 10-30VDC, 1 x PNP + IOLINK , M12	$	715.50
MIC+340/IU/TC	ULTRASONIC SENSOR, DIGITAL, M30/3400mm 10-30VDC, 4-20mA, M12	$	1,283.10
MIC+35/IU/TC	ULTRASONIC SENSOR, DIGITAL, M30/350mm 10-30VDC, 4-20mA, M12	$	1,206.70
MIC+600/D/TC	ULTRASONIC SENSOR, DIGITAL, M30/6000mm 10-30VDC, 1 x PNP, M12	$	788.30
MIC+600/DD/TC	ULTRASONIC SENSOR, DIGITAL, M30/6000mm 10-30VDC, 2 x PNP, M12	$	1,085.50
MIC+600/DIU/TC	ULTRASONIC SENSOR, DIGITAL, M30/6000mm 10-30VDC, 1 x PNP + 4-20mA, M12	$	1,620.20
MIC+600/IU/TC	ULTRASONIC SENSOR, DIGITAL, M30/6000mm 10-30VDC, 4-20mA, M12	$	1,364.40
CRM+25/IU/TC/E	ULTRASONIC SENSOR, DIGITAL, S/S 250mm ANALOG OUT	$	1,443.20
CRM+35/D/TC/E	ULTRASONIC SENSOR, DIGITAL, PEEK FACE M30/85-350mm RANGE, 10-30VDC, PNP OUTPUT	$	921.70
CRM+130/IU/TC/E	ULTRASONIC SENSOR, DIGITAL, S/S, M30/1300mm, 10-30VDC, ANALOG OUT	$	1,302.40
CRM+600/IU/TC/E	ULTRASONIC SENSOR, DIGITAL, S/S M30/6000mm RANGE, 10-30VDC, ANALOG OUT	$	1,607.00

ZWS block-type sensors offer a compact solution to almost any precision sensing application with a teach-in button for ease of set-up and 3 sensing modes in one device (single detect, two-way reflective and window mode), M8 plug-in connector



ZWS7/CD/QS	ULTRASONIC SENSOR BLOCK, 150mm SN, 10-30VDC, PNP NO+NC, M8	$	551.90
ZWS15/CD/QS	ULTRASONIC SENSOR BLOCK, 150mm SN, 10-30VDC, NPN NO+NC, M8	$	551.90
ZWS15/CE/QS	ULTRASONIC SENSOR BLOCK, 150mm SN, 10-30VDC, NPN NO+NC, M8	$	551.90
ZWS15/CI/QS	ULTRASONIC SENSOR BLOCK, 150mm SN, 10-30VDC, 4-20mA, M8	$	661.00
ZWS70/CD/QS	ULTRASONIC SENSOR BLOCK, 700mm SN, 10-30VDC, PNP NO+NC, M8	$	594.20
ZWS70/CE/QS	ULTRASONIC SENSOR BLOCK, 700mm SN, 10-30VDC, NPN NO+NC, M8	$	594.20
ZWS70/CI/QS	ULTRASONIC SENSOR BLOCK, 700mm SN, 10-30VDC, 4-20mA, M8	$	703.40
ZWS1 SOUNDPIPE	SOUNDPIPE FOR ZWS1 SENSOR	$	30.40

PICO+ is a series of compact sensors with M18 threaded housing and 41mm housing length, with 3 sensing modes in one device (single detect, two-way reflective and window mode), M12 plug-in connector, 10-30Vdc

PICO+100/F/A	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, PUSH-PULL IOLINK 1.1, M12	$	661.00
PICO+100/I	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, 4-20mA, M12	$	842.90
PICO+100/TF/I	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, 4-20mA, M12	$	1,033.90
PICO+100/U	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, 0-10V, M12	$	842.90
PICO+100/WK/F	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, PNP NO, RT ANGLE HEAD, M12	$	661.00
PICO+100/WK/F/A	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, PNP NO, IOLINK, RT ANGLE HEAD, M12	$	661.00
PICO+100/WK/I	ULTRASONIC SENSOR, M18/1000mm, 10-30VDC, 4-20mA, RT ANGLE HEAD, M12	$	842.90
PICO+100/WK/U			
PICO+25/F/A	ULTRASONIC SENSOR, M18/350mm, 10-30VDC, PUSH PULL IOLINK, M12	$	661.00
PICO+25/U	ULTRASONIC SENSOR, M18/250mm, 10-30VDC, 0-10V, M12	$	842.90
PICO+25/WK/F	ULTRASONIC SENSOR, M18/250mm, 10-30VDC, PNP NO, RT ANGLE HEAD, M12	$	661.00
PICO+25/WK/F/A	ULTRASONIC SENSOR, M18/250mm, 10-30VDC, PNP NO, IOLINK, RT ANGLE HEAD, M12	$	661.00
PICO+35/F	ULTRASONIC SENSOR, M18/350mm, 10-30VDC, PNP NO, M12	$	661.00
PICO+35/F/A	ULTRASONIC SENSOR, M18/600mm, 10-30VDC, PUSH PULL, IOLINK, M12	$	661.00
PICO+35/I	ULTRASONIC SENSOR, M18/350mm, 10-30VDC, 4-20mA, M12	$	842.90
PICO+35/TF/U			
PICO+35/U	ULTRASONIC SENSOR, M18/350mm, 10-30VDC, 0-10V, M12	$	842.90
NANO-15/CD	ULTRASONIC SENSOR, M12/150mm,10-30VDC, PNP NO, M12	$	564.00
NANO-15/CI	ULTRASONIC SENSOR, M12/150mm,10-30VDC, 4-20mA, M12	$	758.30
NANO-24/CD	ULTRASONIC SENSOR, M12/240mm,10-30VDC, PNP NO, M12	$	564.00
NERO-100/CD	ULTRASONIC SENSOR, M18/1300mm,10-30VDC, PNP NO, M12	$	431.80
NERO-15/CD	ULTRASONIC SENSOR, M18/250mm,10-30VDC, PNP NO, M12	$	431.80
NERO-15/CE	ULTRASONIC SENSOR, M18/250mm,10-30VDC, NPN NO, M12	$	431.80
NERO-25/CD	ULTRASONIC SENSOR, M18/350mm,10-30VDC, PNP NO, M12	$	431.80
NERO-35/CD	ULTRASONIC SENSOR, M18/600mm,10-30VDC, PNP NO, M12	$	431.80

CUBE-130/F	ULTRASONIC CUBE SENSOR, 200-2000mm,10-30VDC,1 x PUSH-PULL + IOLINK	$	598.60
CUBE-130/FFIU	ULTRASONIC CUBE SENSOR, 200-2000mm,10-30VDC, 2 x PUSH-PULL + ANALOG+ IOLINK	$	1,084.70
CUBE-340/F	ULTRASONIC CUBE SENSOR, 350-5000mm,10-30VDC,1 x PUSH-PULL + IOLINK	$	598.60
CUBE-340/FFIU	ULTRASONIC CUBE SENSOR, 350-5000mm,10-30VDC, 2 x PUSH-PULL + ANALOG, + IOLINK	$	1,157.30
CUBE-35/F	ULTRASONIC CUBE SENSOR, 65-600mm,10-30VDC,1 x PUSH-PULL + IOLINK	$	598.60
CUBE-35/FFIU	ULTRASONIC CUBE SENSOR, 65-600mm, 10-30VDC, 2 x PUSH-PULL + ANALOG + IOLINK	$	1,084.70

LCS+ very compact block sensors offer a range up to 8M, push-pull switching, 2 x PNP or analogue output (0-10V & 4-20mA) options, with teach-in buttons for ease of set-up, and M12 plug-in connector in a 63x63x37mm package. LinkControl compatible, sychronisable up to 10 units, 9-30Vdc

LCS+340/DD	ULTRASONIC SENSOR, 5M RANGE, 10-30VDC, 2 x PNP OUTPUT	$	833.20
LCS+340/F	ULTRASONIC SENSOR, 5M RANGE, 10-30VDC, PUSH-PULL OUTPUT	$	612.50
LCS+340/F/A		$	612.50
LCS+340/IU	ULTRASONIC SENSOR, 5M RANGE, 10-30VDC, ANALOG OUTPUT	$	1,061.20
LCS+600/DD	ULTRASONIC SENSOR, 8M RANGE, 10-30VDC, 2 x PNP OUTPUT	$	915.70
LCS+600/F	ULTRASONIC SENSOR, 8M RANGE, 10-30VDC, PUSH-PULL OUTPUT, IOLINK	$	685.30
LCS+600/F/A	ULTRASONIC SENSOR, 8M RANGE, 10-30VDC, PUSH-PULL OUTPUT, IOLINK 1.1	$	685.30
LCS+600/IU	ULTRASONIC SENSOR, 8M RANGE, 10-30VDC, ANALOG OUTPUT	$	1,137.60

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ULTRASONIC SENSORS

MICROSONIC - PMS Ultrasonic Sensors for hygiene applications

MICROSONIC PMS Series ultrasonic sensors are designed for situations where hygiene is everything - foodstuffs and pharmaceutical sectors.Conforming to protection categories IIP66, IP67, IP68 & IP69K the clever design includes a D12 bayonet adapter shaft for quick installation, a stainless steel housing that prevents cleaning fluids building up on any surface, and high resistance to cleaning agents and disinfectants.

PMS-100/CF/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/1000mm, 10-30VDC, PUSH PULL, IOLINK , M8	**$**	**1,157.30**
PMS-100/CI/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/1000mm, 10-30VDC, 4-20mA, M8	**$**	**1,302.40**
PMS-100/CU/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/1000mm, 10-30VDC, 1-10V, M8	**$**	**1,302.40**
PMS-15/CF/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/150mm,10-30VDC, PUSH PULL, IOLINK , M8	**$**	**1,157.30**
PMS-15/CI/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/150mm,10-30VDC, 4-20mA, M8	**$**	**1,302.40**
PMS-15/CU/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/150mm,10-30VDC, 0-10V, M8	**$**	**1,302.40**
PMS-25/CF/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/250mm,10-30VDC, PUSH PULL, IOLINK, M8	**$**	**1,157.30**
PMS-25/CI/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/250mm,10-30VDC, 4-20mA, M8	**$**	**1,302.40**
PMS-25/CU/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/250mm,10-30VDC, 0-10V, M8	**$**	**1,302.40**
PMS-35/CF/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/350mm,10-30VDC, PUSH PULL, IOLINK, M8	**$**	**1,157.30**
PMS-35/CI/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/350mm,10-30VDC, 4-20mA, M8	**$**	**1,302.40**
PMS-35/CU/A1	ULTRASONIC SENSOR, HYGENIC S/S, D12/250mm,10-30VDC, 0-10VDC, M8	**$**	**1,302.40**
CABLE-PMS-M12/M8	PROGRAMMING CABLE FOR PMS SENSORS	**$**	**86.60**
PMS-BF-A1	MOUNTING GLAND, STAINLESS STEEL, FOR PMS SENSORS	**$**	**167.50**

MICROSONIC - Ultrasonic Web Edge Detection, Label and Splice Sensors

MICROSONIC web edge, Label and Splice detection, fork sensors offer a compact solution to almost any precision web-detect application, with a teach-in button for ease of set-up, M12 plug-in connector, 20-30Vdc, push-pull output + IO link

ESF-1/CDF/A	ULTRASONIC SENSOR, U SHAPED LABEL SENSOR, 70mm FORK PUSH PULL + 1 x PNP + IO LIN	**$**	**1,697.90**
ESF-1/CF/A	ULTRASONIC SENSOR, U SHAPED LABEL SENSOR, 70mm FORK, EASY TEACH	**$**	**1,637.20**
BKS-3/CIU	WEB EDGE DETECTION SENSOR 33mm FORK, ANALOGUE O/P	**$**	**1,629.90**
BKS-6/12/CIU	WEB EDGE DETECTION SENSOR, 120mm FORK ANALOGUE O/P	**$**	**2,931.20**

Software and Accessories

LCA-2	ULTRASONIC SENSOR, LINK CONTROL ADAPTOR ONLY	**$**	**431.80**
LCA-2-CEL	ULTRASONIC SENSOR, LCA-2 MICROSONIC SET-UP TOOL WITH LEADS	**$**	**503.60**
LCA-2-KOFFER	ULTRASONIC SENSOR, LINK CONTROL ADAPTER V.2. MIC SENSORS	**$**	**1,085.50**
UF-90/M18	BEAM DEFLECTOR FOR M18 ULTRASONICS	**$**	**80.00**
UF-90/M30	BEAM DEFLECTOR FOR M30 ULTRASONICS	**$**	**80.00**

Cables for Microsonic Plug-in Sensors

CABLE-M12-S-5W-2M	SENSOR CABLE 5W M12 STRAIGHT 2M PVC (64S261-020)	**$**	**34.00**
CABLE-M12-S-5W-5M	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 5M PVC (64S261-050)	**$**	**47.30**
CABLE-M12-S-5W-10M	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M PVC, (64S261-100)	**$**	**72.80**
CABLE-M12-RA-5W-2M	SENSOR CABLE 5W M12 RT ANGLE CONN, 2M PUR (64S281-020)	**$**	**34.00**
CABLE-M12-RA-5W-5M	SENSOR CABLE 5W M12 RT ANGLE 5M PUR (64S281-050)	**$**	**42.50**
CABLE-M12-RA-5W-10M	SENSOR CABLE 5W M12 RT ANGLE 10M PUR (64S281-100)	**$**	**72.80**

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MEANWELL POWER SUPPLIES

SURFACE MOUNT

HRP-100-24	POWER SUPPLY, 100W 85-264VAC IN, 24VDC 4.5A OUT, PFC	$	235.40
HRP-150-12	POWER SUPPLY, 150W 85-264VAC IN, 12VDC 13A OUT, PFC	$	285.80
HRP-300-12	POWER SUPPLY, 300W 85-264VAC IN, 12VDC 25A OUT, PFC	$	433.80
HRP-300-24	POWER SUPPLY, 300W 85-264VAC IN, 24VDC 12.5A OUT, PFC	$	433.80
HRP-450-24	POWER SUPPLY, 450W 85-264VAC IN, 24VDC 18.75A OUT, PFC	$	693.80
HRP-450-48	POWER SUPPLY, 450W 85-264VAC IN, 48VDC 9.3A OUT, PFC	$	693.80
HRP-600-36	POWER SUPPLY, 600W 85-264VAC IN, 36VDC 16.6A OUT, PFC	$	724.70
HRP-600-7.5	POWER SUPPLY, 600W 85-264VAC IN, 7.5VDC 80A OUT, PFC	$	724.70

LRS-35-12	POWER SUPPLY, 35W, 88-264VAC IN, 12VDC 3A OUT	$	49.20
LRS-50-12	POWER SUPPLY, 50W, 88-264VAC IN,12VDC 4.2A OUT	$	54.40
LRS-75-12	POWER SUPPLY, 75W, 88-264VAC IN, 12VDC 6A OUT	$	65.70
LRS-100-12	POWER SUPPLY, 100W, 88-264VAC IN, 12VDC 8.5A OUT	$	70.20
LRS-150-12	POWER SUPPLY, 150W, 88-264VAC IN, 12VDC 12.5A OUT	$	85.90
LRS-200-12	POWER SUPPLY, 200W, 88-264VAC IN, 12VDC 17A OUT	$	143.90
LRS-350-12	POWER SUPPLY, 350W, 88-264VAC IN, 12VDC 29A OUT	$	179.90
LRS-35-24	POWER SUPPLY, 35W, 88-264VAC IN, 24VDC 1.5A OUT	$	49.20
LRS-50-24	POWER SUPPLY, 50W, 88-264VAC IN, 24VDC 2.2A OUT	$	54.40
LRS-75-24	POWER SUPPLY, 75W, 88-264VAC IN, 24VDC 3.2A OUT	$	65.70
LRS-100-24	POWER SUPPLY, 100W, 88-264VAC IN, 24VDC 4.5A OUT	$	70.20
LRS-150-24	POWER SUPPLY, 150W, 88-264VAC IN, 24VDC 6.25A OUT	$	85.90
LRS-200-24	POWER SUPPLY, 200W, 88-264VAC IN, 24VDC 8.3A OUT	$	143.90
LRS-350-24	POWER SUPPLY, 350W, 88-264VAC IN, 24VDC 14.6A OUT	$	179.90
LRS-50-24	POWER SUPPLY, 50W, 88-264VAC IN, 24VDC 2.2A OUT	$	54.40
LRS-75-12	POWER SUPPLY, 75W, 88-264VAC IN, 12VDC 6A OUT	$	65.70
LRS-75-24	POWER SUPPLY, 75W, 88-264VAC IN, 24VDC 3.2A OUT	$	65.70

RS-15-3.3	POWER SUPPLY, 15W 88-264VAC IN, 3.3VDC 4.5A OUT	$	44.20
RS-15-5	POWER SUPPLY, 15W 88-264VAC IN, 5VDC 3A OUT	$	44.20
RS-15-12	POWER SUPPLY, 15W 88-264VAC IN,12VDC 1.3A OUT	$	38.30
RS-15-24	POWER SUPPLY, 15W 88-264VAC IN, 24VDC 0.625A OUT	$	38.30
RS-25-12	POWER SUPPLY, 25W 88-264VAC IN,12VDC 2.A OUT	$	47.80
RS-25-24	POWER SUPPLY, 25W 88-264VAC IN, 24VDC 1.04A OUT	$	47.80
RS-50-24	POWER SUPPLY, 50W 88-264VAC IN, 24VDC 2.08A OUT	$	58.70
RS-75-24	POWER SUPPLY, 75W 88-264VAC IN, 24VDC 3.12A OUT	$	68.90

RSP-75-12	POWER SUPPLY 75W 85-264VAC IN,12VDC 6.3A OUT	$	134.40
RSP-75-24	POWER SUPPLY 75W 85-264VAC IN, 24VDC 3.2A OUT	$	134.40
RSP-150-12	POWER SUPPLY 150W 85-264VAC IN, 12VDC 12.5A OUT	$	173.70
RSP-150-13.5	POWER SUPPLY 150W 85-264VAC IN, 13.5VDC 11.2A OUT	$	202.50
RSP-150-15	POWER SUPPLY 150W 85-264VAC IN, 15VDC 10A OUT	$	202.50
RSP-150-24	POWER SUPPLY 150W 85-264VAC IN, 24VDC 6.3A OUT	$	173.70
RSP-200-12	POWER SUPPLY 200W 85-264VAC IN, 12VDC 16.7A OUT	$	201.30
RSP-200-24	POWER SUPPLY 150W 85-264VAC IN, 24VDC 8.3A OUT	$	201.30
RSP-200-5	POWER SUPPLY 200W 85-264VAC IN, 5VDC 40A OUT	$	241.60
RSP-320-12	POWER SUPPLY 320W 85-264VAC IN, 12VDC 26.7A OUT	$	248.70
RSP-320-24	POWER SUPPLY 320W 85-264VAC IN, 24VDC 13.4A OUT	$	248.70
RSP-320-4	POWER SUPPLY 320W 85-264VAC IN, 4VDC 60A OUT	$	295.00
RSP-320-48	POWER SUPPLY 320W 85-264VAC IN, 48VDC 6.7A OUT	$	227.40
RSP-320-5	POWER SUPPLY 320W 85-264VAC IN, 5VDC 60A OUT	$	295.00
RSP-500-12	POWER SUPPLY 500W 85-264VAC IN, 12VDC 41.7A OUT	$	438.60
RSP-500-24	POWER SUPPLY 500W 85-264VAC IN, 24VDC 21A OUT	$	438.60
RSP-750-12	POWER SUPPLY 750W 85-264VAC IN,12VDC 62.5A OUT	$	968.30
RSP-750-24	POWER SUPPLY 750W 85-264VAC IN, 24VDC 32.A OUT	$	968.30
RSP-750-48	POWER SUPPLY 750W 85-264VAC IN, 48VDC 15.7A OUT	$	968.30
RSP-1000-24	POWER SUPPLY 1000W 90-264VAC IN, 24VDC 40A OUT	$	1,245.80
RSP-1000-48	POWER SUPPLY 1000W 90-264VAC IN, 48VDC 20A OUT	$	1,245.80
RSP-1500-24	POWER SUPPLY 1500W 90-264VAC IN, 24VDC 63A OUT	$	1,944.70
RSP-1500-48	POWER SUPPLY 1500W 90-264VAC IN, 48VDC 32A OUT	$	1,944.70

SPV-300-24	POWER SUPPLY, 300W, 88-264VAC IN, 24V 12.5A OUT- PROGRAMABLE VOLTAGE	$	433.80
SPV-300-48	POWER SUPPLY, 300W, 88-264VAC IN, 48V 6.25A OUT- PROGRAMABLE VOLTAGE	$	433.80
UHP-200R-24	POWER SUPPLY, 200W, 90-264VAC IN, 24VDC 8.4A OUT- REDUNDANT FUNCTION	$	274.50
UHP-500-24	POWER SUPPLY, 500W, 90-264VAC IN, 24VDC 20.9A OUT	$	423.50
UHP-750-24	POWER SUPPLY, 200W, 90-264VAC IN, 24VDC 31.3A OUT	$	862.20

PLUG-IN

GE12I12-P1J	POWER SUPPLY, PLUG-IN,12W 230VAC IN,12VDC 1A OUT	$	57.60
GE12I24-P1J	POWER SUPPLY, PLUG-IN,12W 230VAC IN, 24VDC 0.625A OUT	$	57.60
GE18I05-P1J	POWER SUPPLY, PLUG-IN,12W 230VAC IN, 5VDC 2.4A OUT	$	78.20
GE18I09-P1J	POWER SUPPLY, PLUG-IN,18W 230VAC IN, 9VDC 2A OUT	$	78.20
GE18I12-P1J	POWER SUPPLY, PLUG-IN,18W 230VAC IN,12VDC 1.5A OUT	$	78.20
GE18I18-P1J	POWER SUPPLY, PLUG-IN,18W 230VAC IN,18VDC 1A OUT	$	78.20
GE24I12-P1J	POWER SUPPLY, PLUG-IN, 24W 230VAC IN,12DC 2A OUT	$	81.30
GE24I24-P1J	POWER SUPPLY, PLUG-IN, 24W 230VAC IN,12DC 2A OUT	$	81.30
GE-AC-PLUG-AU	POWER SUPPLY, PLUG-IN, 24W 230VAC IN,12DC 2A OUT	$	81.30

GST25A05-P1J	POWER SUPPLY, PLUG-IN, 25W 90-264VAC IN, 5VDC 5A OUT	$	68.90
GST25A12-P1J	POWER SUPPLY, PLUG-IN, 25W 90-264VAC IN, 12VDC 2A OUT	$	68.90
GST25A24-P1J	POWER SUPPLY, PLUG-IN, 25W 90-264VAC IN, 24VDC 1A OUT	$	68.90
GST40A12-P1J	POWER SUPPLY, PLUG-IN, 40W 90-264VAC IN, 12VDC 3.3A OUT	$	85.40
GST40A24-P1J	POWER SUPPLY, PLUG-IN, 40W 90-264VAC IN, 24VDC 1.66A OUT	$	85.40
GST60A09-P1J	POWER SUPPLY, PLUG-IN, 54W 90-264VAC IN, 9VDC 6A OUT	$	94.60
GST60A12-P1J	POWER SUPPLY, PLUG-IN, 60W 90-264VAC IN,12VDC 5A OUT,	$	94.60
GST60A18-P1J	POWER SUPPLY, PLUG-IN, 60W 90-264VAC IN,18VDC 3.33A OUT	$	94.60
GST60A24-P1J		$	94.60
GST90A12-P1M	POWER SUPPLY, PLUG-IN, 80W 90-264VAC IN,12VDC 6.67A OUT	$	154.20
GST90A15-P1M	POWER SUPPLY, PLUG-IN, 90W 90-264VAC IN,15VDC 6A OUT	$	154.20
GST90A24-P1M	POWER SUPPLY, PLUG-IN, 90W 90-264VAC IN, 24VDC 3.75A OUT	$	154.20
GST120A24-P1M	POWER SUPPLY, PLUG-IN,120W 90-264VAC IN, 24VDC 5A OUT	$	182.40
GST120A48-R7B	POWER SUPPLY, PLUG-IN,120W 90-264VAC IN, 248VDC 2.5A OUT R7B PLUG	$	225.00

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MEANWELL POWER SUPPLIES

DIN MOUNT - SINGLE PHASE

XDR-75E-12	POWER SUPPLY, DIN RAIL, 75W, 85-264VAC IN, 12VDC 6.3A OUT	$ 88.50
XDR-75E-24	POWER SUPPLY, DIN RAIL, 75W, 85-264VAC IN, 24VDC 3.2A OUT	$ 88.50
XDR-120E-12	POWER SUPPLY, DIN RAIL, 120W, 85-264VAC IN, 12VDC 10A OUT	$ 102.00
XDR-120E-24	POWER SUPPLY, DIN RAIL,120W, 85-264VAC IN, 24VDC 5A OUT	$ 102.00
XDR-150E-12	POWER SUPPLY, DIN RAIL,150W, 85-264VAC IN, 12VDC 12.2A OUT	$ 102.00
XDR-150E-24	POWER SUPPLY, DIN RAIL,150W, 85-264VAC IN, 24VDC 6.3A OUT	$ 102.00
XDR-240E-12	POWER SUPPLY, DIN RAIL, 240W, 85-264VAC IN,12VDC 20A OUT	$ 193.00
XDR-240E-24	POWER SUPPLY, DIN RAIL, 240W, 85-264VAC IN, 24VDC 10A OUT	$ 193.00
XDR-480E-24	POWER SUPPLY, DIN RAIL, 480W, 85-264VAC IN, 24VDC 20A OUT	$ 369.00

MDR-10-12	POWER SUPPLY, DIN RAIL,10W, 85-264VAC IN, 12VDC 0.8A OUT	$ 49.90
MDR-10-24	POWER SUPPLY, DIN RAIL,10W, 85-264VAC IN, 24VDC 0.4A OUT	$ 49.90
MDR-20-12	POWER SUPPLY, DIN RAIL, 20W, 85-264VAC IN, 12VDC 1.6A OUT	$ 58.20
MDR-20-24	POWER SUPPLY, DIN RAIL, 20W, 85-264VAC IN, 24VDC 0.8A OUT	$ 58.20
MDR-40-12	POWER SUPPLY, DIN RAIL, 40W, 85-264VAC IN, 12VDC 3.3A OUT	$ 77.70
MDR-40-24	POWER SUPPLY, DIN RAIL, 40W, 85-264VAC IN, 24VDC 1.6A OUT	$ 77.70
MDR-60-12	POWER SUPPLY, DIN RAIL, 60W, 85-264VAC IN, 12VDC 5A OUT	$ 82.90
MDR-60-24	POWER SUPPLY, DIN RAIL, 60W, 85-264VAC IN, 24VDC 2.5A OUT	$ 82.90
MDR-100-12	POWER SUPPLY, DIN RAIL,100W, 85-264VAC IN, 12VDC 8.2A OUT	$ 145.80
MDR-100-24	POWER SUPPLY, DIN RAIL,100W, 85-264VAC IN, 24VDC 4.1A OUT	$ 145.80

HDR-15-12	POWER SUPPLY, DIN RAIL,15W, 85-264VAC IN, 12VDC 1.2A OUT	$ 50.70
HDR-15-24	POWER SUPPLY, DIN RAIL,15W, 85-264VAC IN, 24VDC 0.6A OUT	$ 50.70
HDR-30-12	POWER SUPPLY, DIN RAIL, 30W, 85-264VAC IN,12VDC 2.5A OUT	$ 61.90
HDR-30-24	POWER SUPPLY, DIN RAIL, 30W, 85-264VAC IN, 24VDC 1.2A OUT	$ 61.90
HDR-60-12	POWER SUPPLY, DIN RAIL, 60W, 85-264VAC IN,12VDC 5A OUT	$ 82.90
HDR-60-24	POWER SUPPLY, DIN RAIL, 60W, 85-264VAC IN, 24VDC 2.5A OUT	$ 82.90
HDR-100-12	POWER SUPPLY, DIN RAIL,100W, 85-264VAC IN, 12VDC 8.3A OUT	$ 118.10
HDR-100-24	POWER SUPPLY, DIN RAIL,100W, 85-264VAC IN, 24VDC 4.1A OUT	$ 118.10
HDR-150-12	POWER SUPPLY, DIN RAIL,150W, 85-264VAC IN,12VDC 12.5A OUT	$ 192.30
HDR-150-24	POWER SUPPLY, DIN RAIL,150W, 85-264VAC IN, 24VDC 6.2A OUT	$ 147.80

NDR-75-12	POWER SUPPLY, DIN RAIL, 75W, 85-264VAC IN, 24VDC 6.2A OUT	$ 103.90
NDR-75-24	POWER SUPPLY, DIN RAIL, 75W, 85-264VAC IN, 24VDC 3.1A OUT	$ 103.90
NDR-75-48	POWER SUPPLY, DIN RAIL, 75W, 85-264VAC IN, 48VDC 1.5A OUT	$ 132.60
NDR-120-12	POWER SUPPLY, DIN RAIL, 120W, 85-264VAC IN, 12VDC 10A OUT	$ 117.98
NDR-120-24	POWER SUPPLY, DIN RAIL,120W, 85-264VAC IN, 24VDC 5A OUT	$ 122.60
NDR-240-24	POWER SUPPLY, DIN RAIL, 240W, 85-264VAC IN, 24VDC 10A OUT	$ 231.90
NDR-480-24	POWER SUPPLY, DIN RAIL, 480W, 85-264VAC IN, 24VDC 20A OUT	$ 438.00

SDR-75-24	POWER SUPPLY, DIN RAIL, 75W, 88-264VAC IN, 24VDC 3.1A OUT	$ 144.60
SDR-75-12	POWER SUPPLY, DIN RAIL, 75W, 88-264VAC IN, 12VDC 6.25A OUT	$ 144.60
SDR-120-12	POWER SUPPLY, DIN RAIL,120W, 88-264VAC IN,12VDC 10A OUT	$ 257.40
SDR-120-24	POWER SUPPLY, DIN RAIL,120W, 88-264VAC IN, 24VDC 5A OUT	$ 257.40
SDR-240-24	POWER SUPPLY, DIN RAIL, 240W, 88-264VAC IN, 24VDC 10A OUT	$ 409.50
SDR-480-24	POWER SUPPLY, DIN RAIL, 480W, 88-264VAC IN, 24VDC 20A OUT	$ 638.10
SDR-480-48	POWER SUPPLY, DIN RAIL, 480W, 88-264VAC IN, 48VDC 10A OUT	$ 786.30
SDR-480P-24	POWER SUPPLY, DIN RAIL, 480W, 88-264VAC IN, 24VDC 20A OUT	$ 786.30
SDR-960-24	POWER SUPPLY, DIN RAIL, 960W, 88-264VAC IN, 24VDC 40A OUT	$ 1,035.40
SDR-960-48	POWER SUPPLY, DIN RAIL, 960W, 88-264VAC IN, 48VDC 20A OUT	$ 1,317.70

DIN MOUNT - 2/3 PHASE

WDR-60-12	POWER SUPPLY, DIN RAIL, 60W,180-550VAC IN,12VDC 5A OUT	$ 175.40
WDR-60-24	POWER SUPPLY, DIN RAIL, 60W,180-550VAC IN, 24VDC 2.5A OUT	$ 175.40
WDR-120-12	POWER SUPPLY, DIN RAIL,120W,180-550VAC IN,12VDC 10A OUT	$ 278.50
WDR-120-24	POWER SUPPLY, DIN RAIL,120W,180-550VAC IN, 24VDC 5A OUT	$ 278.50
WDR-120-48	POWER SUPPLY, DIN RAIL,120W,180-550VAC IN, 48VDC 2.5A OUT	$ 331.00
WDR-240-24	POWER SUPPLY, DIN RAIL, 240W,180-550VAC IN, 24VDC 10A OUT	$ 518.70
WDR-480-24	POWER SUPPLY, DIN RAIL, 480W,180-550VAC IN, 24VDC 20A OUT	$ 737.00
WDR-480-48	POWER SUPPLY, DIN RAIL, 480W,180-550VAC IN, 48VDC 10A OUT	$ 918.90
TDR-240-24	POWER SUPPY DIN RAIL, 240W, 340-550VAC IN, 24V 10A OUT	$ 295.00
TDR-480-24	POWER SUPPY DIN RAIL, 480W, 340-550VAC IN, 24V 20A OUT	$ 609.30
TDR-960-24	POWER SUPPY DIN RAIL, 960W, 340-550VAC IN, 24V 40A OUT	$ 1,137.30
XDR-960E-24	POWER SUPPY DIN RAIL, 960W, 340-550VAC IN, 24V 40A OUT	$ 870.50

Security Power Supplies

AD-155A	POWER SUPPLY/BATTERY CHARGER, 155W 88-264VAC IN, 13.8VDC 10.5A OUT	$ 220.40
AD-155B	POWER SUPPLY/BATTERY CHARGER, 155W 88-264VAC IN, 27.8VDC, 5A OUT	$ 220.40
AD-55A	POWER SUPPLY/BATTERY CHARGER, 55W 88-264VAC IN, 13.8VDC, 3.5A OUT	$ 158.30
AD-55B	POWER SUPPLY/BATTERY CHARGER, 55W 88-264VAC IN, 27.6VDC 1.8A OUT	$ 158.30
ADD-155-B	POWER SUPPLY/BATTERY CHARGER, 152.75W 27.6V/5VDC 4.5/3A DUAL OUTPUT	$ 341.30
ADD-55-A	POWER SUPPLY/BATTERY CHARGER, 55W 13.8V/5VDC 2.5/3A DUAL OUTPUT	$ 185.00

MEANWELL DC-DC CONVERTERS

DDR-120A-24	DC-DC CONVERTER, DIN RAIL,120W, 9 -18VDC IN, 24VDC 4.2A OUT	$ 310.50
DDR-120A-48	DC-DC CONVERTER, DIN RAIL,120W, 9 -18VDC IN, 48VDC 2.1A OUT	$ 310.50

Due to volatile international material costs, prices may change at short notice.
check before ordering

DDR-120B-24	DC-DC CONVERTER, DIN RAIL,120W, 16.8-33.6VDC IN, 24VDC 4.2A OUT		**$ 310.50**
DDR-15G-12	DC-DC CONVERTER, DIN-RAIL,15W, 9 -36VDC IN, 12VDC 1.25A OUT		**$ 94.60**
DDR-15G-24	DC-DC CONVERTER, DIN-RAIL, 15W, 9 -36VDC IN, 24VDC 0.625A OUT		**$ 94.60**
DDR-15G-5	DC-DC CONVERTER, DIN-RAIL,15W, 9 -36VDC IN, 5VDC 3A OUT		**$ 94.60**
DDR-240C-24	DC-DC CONVERTER, DIN-RAIL, 240W, 33.6-67.2VDC IN, 24VDC 10A OUT		**$ 464.60**
DDR-240D-24	DC-DC CONVERTER, DIN RAIL, 240W, 67.2-154VDC IN, 24VDC 10A OUT		**$ 464.60**
DDR-30G-12	DC-DC CONVERTER, DIN RAIL, 30W, 9 - 36VDC IN, 12VDC 2.5A OUT.		**$ 125.50**
DDR-30G-24	DC-DC CONVERTER, DIN RAIL, 30W, 9 - 36 VDC IN, 24VDC 1.25A OUT		**$ 125.50**
DDR-480C-24	DC-DC CONVERTER, DIN RAIL, 480W, 33.6-67.2VDC IN, 24VDC 20A OUT		**$ 978.50**
DDR-60G-12	DC-DC CONVERTER, DIN RAIL, 60W, 9 - 36VDC IN,12VDC 5A OUT		**$ 156.30**
DDR-60G-24	DC-DC CONVERTER, DIN RAIL, 60W, 9 - 36V IN, 24VDC 2.5A OUT		**$ 156.30**
RSD-100B-24	DC-DC CONVERTER, 100W 16.8-31.2VDC IN, 24VDC 4.2A OUT		**$ 336.10**
RSD-100D-12	DC-DC CONVERTER, 100W 67.2-143VDC IN, 12VDC 8.4A OUT		**$ 336.10**
RSD-100D-24	DC-DC CONVERTER, 100W 67.2-143VDC IN, 24VDC 4.2A OUT		**$ 336.10**
RSD-150B-12	DC-DC CONVERTER, 150W 16.8-31.2VDC IN, 12VDC 12.5A OUT		**$ 433.80**
RSD-150D-24	DC-DC CONVERTER, 150W 67.2-143VDC IN, 24VDC 6.3A OUT		**$ 433.80**
RSD-200B-48	DC-DC CONVERTER, 200W 16.8-31.2VDC IN, 48VDC 4.2A OUT		**$ 505.70**
RSD-300C-24	DC-DC CONVERTER, 300W 33.6-62.4VDC IN, 24VDC 12.5A OUT		**$ 608.50**
SD-1000H-48	DC-DC CONVERTER,1000W, 72-144VDC IN, 48VDC 20.8A OUT		**$ 1,358.80**
SD-100B-12	DC-DC CONVERTER,100W,19-36VDC IN, 12VDC 8.3A OUT		**$ 187.10**
SD-100B-24	DC-DC CONVERTER,100W,19-36VDC IN, 24VDC 4.1A OUT		**$ 187.10**
SD-150B-12	DC-DC CONVERTER,150W,19-36VDC IN, 12VDC 12.5A OUT		**$ 246.70**
SD-150B-24	DC-DC CONVERTER,150W,19-36VDC IN, 24VDC 6.25A OUT		**$ 246.70**
SD-150C-12	DC-DC CONVERTER,150W, 36-72VDC IN, 12VDC 12.5A OUT		**$ 246.70**
SD-150D-24	DC-DC CONVERTER,150W 57.6-154V IN, 24VDC 6.25A OUT		**$ 246.70**
SD-15A-12	DC-DC CONVERTER,15W, 9.2-18VDC IN, 12VDC 1.25A OUT		**$ 71.00**
SD-15A-24	DC-DC CONVERTER,15W, 9.2-18VDC IN, 24VDC 0.625A OUT		**$ 71.00**
SD-15A-5	DC-DC CONVERTER,15W, 9.2-18VDC IN, 5VDC 3A OUT		**$ 71.00**
SD-15B-05	DC-DC CONVERTER,15W, 18-36VDC IN, 5VDC 3A OUT		**$ 71.00**
SD-15B-12	DC-DC CONVERTER,15W, 18-36VDC IN, 12VDC 1.25A OUT		**$ 71.00**
SD-15B-24	DC-DC CONVERTER,15W, 18-36VDC IN, 24VDC 0.625A OUT		**$ 71.00**
SD-15C-24	DC-DC CONVERTER,15W, 36-72VDC IN, 24VDC 0.625A OUT		**$ 71.00**
SD-25C-24	DC-DC CONVERTER, 25W, 36-72VDC/ IN, 24VDC 1A OUT		**$ 120.30**
SD-50A-5	DC-DC CONVERTER, 50W, 9-18VDC/ IN, 5VDC 10A OUT		**$ 149.10**
SD-50C-5	DC-DC CONVERTER, 50W, 36-72VDC/5VDC		**$ 149.10**
SD-50A-12	DC-DC CONVERTOR, 50W, 9-18VDC IN, 12VDC 4.1A OUT		**$ 149.10**
SD-50A-24	DC-DC CONVERTER, 50W, 9-18VDC IN, 24VDC 2.08A OUT		**$ 149.10**
SD-50B-12	DC-DC CONVERTER, 50W, 19-36VDC IN, 12VDC 4.16A OUT		**$ 149.10**
SD-50B-24	DC-DC CONVERTER, 50W, 19-36VDC IN 24VDC 2.08A OUT		**$ 149.10**
SD-50C-24	DC-DC CONVERTER, 50W, 36-72VDC IN, 24VDC 2.08A OUT		**$ 149.10**
SD-200B-12	DC-DC CONVERTER, 200W, 9.2-18VDC IN, 12VDC 16.6A OUT		**$ 407.10**
SD-200B-48	DC-DC CONVERTER, 200W, 19-36VDC IN, 48VDC 4.2A OUT		**$ 407.10**
SD-200C-12	DC-DC CONVERTER, 200W, 36-72VDC IN, 12VDC 16.6A OUT		**$ 407.10**
SD-200C-48	DC-DC CONVERTER, 200W,36-72VDC IN, 48VDC 4.1A OUT		**$ 407.10**
SD-350C-24	DC-DC CONVERTER, 350W, 36-72VDC IN 24VDC 14.5A OUT		**$ 490.30**
SD-500L-12	DC-DC CONVERTER, 500W 19-72V IN, 12VDC 41.6A OUT		**$ 731.90**
SD-500L-24	DC-DC CONVERTER, 500W 19-72V IN, 24V 20.8A OUT		**$ 731.90**
SD-500L-48	DC-DC CONVERTER, 500W 19-72V IN, 48V 10.4A OUT		**$ 731.90**

MEANWELL BATTERY CHARGERS

PB-120N-13C	BATTERY CHARGER 120W , 13.8V OUTPUT		**$ 257.00**
PB-120N-27C	BATTERY CHARGER 120W , 27.6V OUTPUT		**$ 257.00**
PB-120P-13C	BATTERY CHARGER 0-7.2A/13.8V PFC		**$ 283.70**
PB-300P-24	BATTERY CHARGER, 3 STAGE, 300W 28.8V 10.4A, PFC		**$ 475.90**
PB-360P-12	BATTERY CHARGER, 3 STAGE, 360W 14.4V, 25A, PFC		**$ 508.80**
PB-360P-24	BATTERY CHARGER, 3 STAGE, 360W 27.2V, 12.5A, PFC		**$ 508.80**
PB-360P-48	BATTERY CHARGER, 3 STAGE, 360W 57.6V, 6.25A, PFC		**$ 508.80**
PB-600-12	BATTERY CHARGER, 2/3/8 STAGE, 600W 14.4VDC, 40A		**$ 1,112.20**
PB-600-24	BATTERY CHARGER, 2/3/8 STAGE, 600W 27.6VDC, 21A		**$ 1,112.20**
PB-1000-24	BATTERY CHARGER, 2/3/8 STAGE, 1000W 27.2V, 34.7A,		**$ 1,615.80**

TEMPERATURE CONTROLLERS

AUTONICS - TX4S Temperature Controllers 48mm2 with 4 digit bright LCD display, IP66

TX4S Temperature Controllers with 4 digit bright LCD display, RTD or Thermocouple input, 2 x relay output, 100-230Vac

TX4S-24R	TEMPERATURE. CONTROLLER LCD, 48x48mm, RELAY OUT,100-240VAC	**$**	**232.90**

AUTONICS - Temperature Controller Model T3S Digital

48x48mm 8-pin plug-in temperature controllers with 7-segment red LED display, ON/OFF or proportional control, built-in burnOUT out protection, SPDT/2A relay output, 90 - 264Vac supply

T3S-B4RK4C	TEMPERATURE CONTROLLER, 48x48mm, 0-399degC K TYPE,100-240VAC	**$**	**343.70**
T3S-B4RK8C	TEMPERATURE CONTROLLER, 48x48mm, 0-800degC K TYPE, 100-240VAC	**$**	**343.70**
T3S-B4RP1C	TEMPERATURE CONTROLLER, 48x48mm, 0-99.9degC PT100, 100-240VAC	**$**	**343.70**
T3S-B4RP2C	TEMPERATURE CONTROLLER, 48x48mm, 0-199degC PT100, 100-240VAC	**$**	**343.70**

AUTONICS -Temperature Controller Model TZN4S-14R Digital, Multifunction

48x48mm temperature controllers with 4-digit LED display, dual PID autotuning or ON/OFF control, multi-sensor (select from K, J, R, E, T, S, N, W thermocouples, Pt100, 0-5V, 0-10V, 4-20mA) multi-range °C or °F, two set points, IP65 front panel, SPST 3A relay output, 90 - 264Vac supply

TZN4S-14R	DUAL PID TEMP CONTROLLER	**$**	**388.60**

AUTONICS - Temperature Controller TC4L-24R 96x96mm

96x96mm temperature controller with 7-segment red LED display 11mm high, ON/OFF or proportional control, built-in burnout protection, SPDT 3A relay and SSR output, 2 x alarm outputs 100 - 240Vac supply. Input PT100 and Thermocouples K or J

TC4L-24R	TEMPERATURE CONTROLLER, 96x96mm, PT100, TYPE K OR J, RELAY OUT,100-240VAC	**$**	**244.60**

AUTONICS - Temperature Controller Model TAS Analogue

48x48mm 8-pin plug-in temperature controllers with analogue dial type setting, ON/OFF or PID control, built-in burnout protection, "sensor broken" function display, SPDT/2A relay output, 90 - 264Vac supply

TAS-B4RJ2C	TEMPERATURE CONTROLLER, 48x48mm, 0-200degC J TYPE, RELAY OUT,100-240VAC	**$**	**171.90**
TAS-B4RK1C	TEMPERATURE CONTROLLER, 48x48mm,0-100degC K TYPE, RELAY OUT,100-240VAC	**$**	**171.90**
TAS-B4RK2C	TEMPERATURE CONTROLLER, 48x48mm,0-200degC K TYPE, RELAY OUT,100-240VAC	**$**	**171.90**
TAS-B4RK4C	TEMPERATURE CONTROLLER, 48x48mm,0-400degC K TYPE, RELAY OUT,100-240VAC	**$**	**171.90**
TAS-B4RP1C	TEMPERATURE CONTROLLER, 48X48mm, 8 PIN, 0-100degC PT100, RELAY OUT,100-240VAC	**$**	**171.90**
TAS-B4RP2C	TEMPERATURE CONTROLLER, 48x48mm, 8 PIN, 0-200degC PT100, RELAY OUT,100-240VAC	**$**	**171.90**

AUTONICS - Temperature Controllers 72x36mm with 7 segment 15mm 4 digit LED digital display

TC Series - one of the most cost effective temperature controlling solutions. 0.1 - 999.9°C setting range

T4YI-N4NP0C	TEMPERATURE INDICATOR 72X36 PT100/-99.9 to +199.9C, 100-240VAC	**$**	**156.60**
T4YI-N4NKCC	TEMPERATURE INDICATOR 72X36 KTYPE/0-1200C. 100-240VAC	**$**	**156.60**
TC3YF-34R	DEFROST CONTROLLER 72X36 100-240Vac	**$**	**363.60**
TC4L-24R	TEMPERATURE CONTROLLER, 96x96mm, PT100, TYPE K OR J, RELAY OUT,100-240VAC	**$**	**244.60**
TC4Y-14R	TEMPERATURE CONTROLLER, 72x36mm, PT100, TYPE K OR J, RELAY OUT, 100-240VAC	**$**	**390.00**

AKYTEC - Panel Mounted Temperature Indicators

Compact display unit for monitoring temperature, 22mm hole mounting to fit on almost any panel or switchboard - even a push-button control station. Input options thermocouples, RTDs and voltage.Alarm and error indication, adjustable decimal point, NPN output. IP65 protection on front panel.

AKY-ITP16	PANEL MOUNT DIGITAL RED LED, TEMPERATURE DISPLAY- CONTROL 22.5mm, PT100, TYPE K	**$**	**422.28**

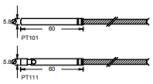
PIXSYS - TEMPERATURE CONTROLLERS

ATR124 is a compact PID controller and it is the entry-level model in the Blue Line series, of which it shares all the distinctive features starting with programming via NFC/RFID.
Analogue input is programmable for a wide range of temperature probes and mA/Volt process signals.
The digital/relay outputs are programmable either as ON/OFF control or as control with PID algorithm, but multiple alarm modes (threshold, band, deviation) are also selectable.

ATR124-ABC-T	TEMPERATURE CONTROL, 3 DIGIT, 32x74mm, RELAY+RS485 OUT, 24...230VAC/DC	**$**	**316.50**
ATR144-ABC-T	TEMPERATURE CONTROL, 4/5 DIGIT, 32x74mm, RELAY+RS485 OUT, 24...230VAC/DC	**$**	**347.00**
ATR244-23A-T	TEMPERATURE CONTROL, 4 DIGIT, 48x48mm, NFC, 3 x RELAY+RS485 OUT, 24VAC/DC	**$**	**883.00**

Pt100 Temperature Sensors - 2-metre cable, IP66

PT101 monitors the temperature of liquids: PT111 monitors air temperature. Measuring range -50°C to +170°C. Sensor type Pt100 accuracy +1°C. Stainless steel housing, accuracy +1°C. Stainless steel housing, heat resistant silicone cable (length 2 metres).Max. operating temp 200°C. Suitable for temperature relay or temperature controllers



PT101	TEMPERATURE SENSOR (PT100) FOR LIQUID -50 - +200°C	**$**	**157.40**
PT105-RT	TEMPERATURE SENSOR (PT100) RING TERMINAL	**$**	**195.00**
PT111	TEMPERATURE SENSOR (PT100) FOR AIR -50 - +200°C 2M	**$**	**208.90**

PTS-1B-6X100-BOM	RTD - PT100B, 6x100mm, AIS316, M12 CONNECTOR	**$**	**113.42**
PTS-1B-6X50-BOM	RTD - PT100B, 6x50mm, AIS316, M12 CONNECTOR	**$**	**110.48**

Due to volatile international material costs, prices may change at short notice.
check before ordering

DIGITAL COUNTERS

AUTONICS - LA8N LCD Totalising Counter

Powered by internal lithium battery (approx 7 years life), DIN 48 x 24mm panel mount, lockable reset button on front panel, IP66 protection (front panel)

LA8N-BF	TOTALISING COUNTER, 8 DIGIT LCD, 48x24mm, VOLTAGE INPUT	$	148.10
LA8N-BN	TOTALISING COUNTER, 8 DIGIT LCD, 48x24mm, CONTACT INPUT	$	148.10

AUTONICS - Digital CT6 Counter/Timer Range

A very versatile Counter/Timer for production control applications such as length measurement, volume or quantity. Functions include a timer to 9999.99s and 9999h 59m Count up/down or bi-directional (10kcps), batch counting. On-board prescaler and sensor supply (12Vdc). Takes NPN, PNP or contact input. Output 1 x SPST relay, 1 x SPDT relay (2A @ 250Vac) plus 3 x isolated NPN open collector outputs rated 100mA @30Vdc

CT6M-1P2	TIMER-COUNTER 72x72mm,1 PRE-SET, 24VAC, 24-48VDC	$	372.80
CT6M-2P4	TIMER-COUNTER 72x72mm, 2 PRE-SET,110-240VAC	$	372.80
CT6S-1P4	TIMER-COUNTER 48x48mm,1 PRESET,110-240VAC	$	196.00
CT6Y-1P4T	TIMER-COUNTER 72x36mm,100-240VAC, MODBUS COMMS	$	445.50

AUTONICS -MP5W Multi-Function Tachometer/Rate Meter

Multifunction pulse/frequency meter for measuring speed, frequency, rpm, cycle time, time interval, length measurement, etc,5-digit LED display, with 12Vdc supply for external sensor

MP5W-45	PROGRAMMABLE TACHO/RATE METER 96x48mm, 4-20mA OUTPUT	$	612.10
MP5W-4N	PROGRAMMABLE TACHO/RATE METER 96x48mm	$	486.50
MP5Y-4N	PROGRAMMABLE TACHO/RATE METER 72x36mm	$	486.50

PIXSYS TIMER-COUNTER- TACHOMETER

TCT201-1ABC	TIMER, 4+4 DIGIT, 48x48mm, 3DI, 2 RELAY OUTPUT, 24VAC/DC/230VAC	$	431.89

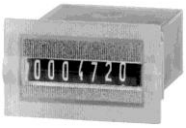
Kübler - Model K 07.20 – 7-Digit Miniature Totaliser

32x15mm panel mount (30x13mm cutout), IP65 protection (front panel), max 25 imp/s dc, 10 imp/s ac

K0720-110VAC	IMPULSE COUNTER, 7 DIGIT, 110VAC	$	174.60
K0720-12VDC	IMPULSE COUNTER, 7 DIGIT, 12VDC	$	116.40
K0720-230VAC	IMPULSE COUNTER, 7 DIGIT, 230VAC	$	174.60
K0720-24VAC	IMPULSE COUNTER, 7 DIGIT, 24VAC	$	174.60
K0720-24VDC	IMPULSE COUNTER, 7 DIGIT, 24VDC	$	91.90
K0720-24VDC-1R	IMPULSE COUNTER, 7 DIGIT, 24VDC, RED LAST DIGIT	$	-
K0720-5VDC	IMPULSE COUNTER, 7 DIGIT, 5VDC	$	-
K0720-5VDC-1R	IMPULSE COUNTER, 7 DIGIT, 5VDC, RED LAST DIGIT	$	-
K0720-5VDC-2R			

Kübler - Model K 47.20 – 7-Digit Miniature Totaliser

30x20mm panel mount (27x14mm cutout), IP65 protection (front panel), max 10 imp/s



K4720-24VDC	IMPULSE COUNTER, 7 DIGIT, 24VDC	$	116.40
K4720-24VDC-1R	IMPULSE COUNTER, 7 DIGIT, 24VDC, RED LAST DIGIT	$	170.90
K4720-5VDC	IMPULSE COUNTER, 7 DIGIT, 5VDC	$	116.40
K4720-5VDC-1R	IMPULSE COUNTER, 7 DIGIT, 5VDC, RED LAST DIGIT	$	183.50

Kübler - Model W 15.21 – 5-Digit Miniature Adding Counter with Manual Reset

34x23mm panel mount (31.5x21.5mm cutout), max 10 imp/s

W1521-110VAC	IMPULSE COUNTER, 5 DIGIT, 110VAC	$	236.60
W1521-12VDC	IMPULSE COUNTER, 5 DIGIT, 12VDC	$	181.20
W1521-230VAC	IMPULSE COUNTER, 5 DIGIT, 230VAC	$	236.60
W1521-24VAC	IMPULSE COUNTER, 5 DIGIT, 24VAC	$	236.60
W1521-24VDC	IMPULSE COUNTER, 5 DIGIT, 24VDC	$	181.20

Kübler - Model BVa 15.11 – 5-Digit Adding Counter with Stationary Preset Scale

56x68mm panel mount (50x60mm cutout), with relay output when preset is reached. Preset value can be changed during operation

BVA1511-110VAC	IMPULSE COUNTER 5 DIGIT, 110VAC	$	830.00
BVA1511-230VAC	IMPULSE COUNTER 5 DIGIT, 230VAC	$	830.00

HOURS RUN METERS

GIC - 6-Digit DIN Rail Mount Hours-Run Meter

48x24mm (45x22.5mm cutout) lithium battery powered hours-run meter, IP66 front panel protection, contact or universal voltage input models, 8 digits (8mm high)

HM-30A6B1-AC	HOURS RUN METER DIN RAIL MOUNT, 48x48mm, 90-460VAC	$	60.40
HM-30D1B1-DC	HOURS RUN METER DIN RAIL MOUNT, 48x48mm, 10-80VDC	$	60.40
HM-36-230VAC	HOURS RUN METER, 48x48mm, 90-264VAC 50/60HZ (LA25F1)	$	69.00
HM-36-4-36VACDC	HOURS RUN METER 48x48mm, 4-36V AC/DC 50/60HZ (LC37F1)	$	69.00

Kübler H5755 – 7 Digit Hour Meters for AC or DC Operation2-metre cable, IP66

48x48mm panel mount (45x45mm cutout) quartz hours-run meter without reset

H5755-110VAC	HOUR RUN METER 48mm2, H57.55, 110VAC 50HZ	$	115.20
H5755-110VAC-60HZ	HOUR RUN METER 48mm2, H57.55, 110VAC 60HZ	$	124.80
H5755-230VAC-50HZ	HOUR RUN METER 48mm2, H57.55, 230VAC 50HZ	$	108.80
H5755-230VAC-60HZ	HOUR RUN METER 48mm2, H57.55, 230VAC 60HZ	$	124.80
H5755-24VAC	HOUR RUN METER 48mm2, H57.55, 24VAC 50HZ	$	108.80
H5755-24VAC-60HZ	HOUR RUN METER 48mm2, H57.55, 24VAC 60HZ	$	124.80
H5755-24VDC	HOUR RUN METER 48mm2, H57.55, 10-30VDC	$	202.60
H5755-400VAC-50HZ	HOUR RUN METER 48mm2, H57.55, 400VAC 50HZ	$	124.80
H5755-400VAC-60HZ	HOUR RUN METER 48mm2, H57.55, 400VAC 60HZ	$	135.50
H5755-BEZEL	MOUNTING BEZEL BLACK, H57.55, 45mm ID 55mm OD T008171	$	12.10
H5755-DIN-ADAPTOR	DIN RAIL MOUNTING ADAPTOR, H57.55	$	33.80

AUTONICS - 8-Digit LCD Hour Meter Model LE8N

48x24mm (45x22.5mm cutout) lithium battery powered hours-run meter, IP66 front panel protection, contact or universal voltage input models, 8 digits (8mm high)

LE8N-BF	HOURS RUN METER 48x24mm, 8 DIGIT LCD, VOLTAGE INPUT	$	148.10
LE8N-BN	HOURS RUN METER 48x24mm, 8 DIGIT LCD, CONTACT INPUT	$	148.10

Kübler - H372 – 7 Digit Hour Meter without Reset

53x28mm panel mount (50.5x22.5mm cutout) hours-run meter without reset

H372-110VAC	HOUR RUN METER, 8 DIGIT, 48x24mm,110VAC	$	135.50
H372-110VAC-60HZ	HOUR RUN METER, 8 DIGIT, 48x24mm,110VAC 60HZ	$	-
H372-230VAC	HOUR RUN METER, 8 DIGIT, 48x24mm, 230VAC	$	135.50
H372-24VAC	HOUR RUN METER, 8 DIGIT, 48x24mm, 24VAC	$	135.50
H372-24VDC	HOUR RUN METER, 8 DIGIT, 48x24mm, 24VDC	$	223.10

Kübler - H2621 – 6 Digit Hour Meter with Manual Reset

53x28mm panel mount (50x25mm cutout) hours-run meter with manual reset

HB2621-230VAC-50HZ	HOUR RUN METER, WITH RESET, 6 DIGIT, 53x28mm, 230VAC 50HZ	$	274.40
HB2621-SPRING-CLIP	H26.21 RETAINING SPRING CLIP	$	6.30

Mehanizmi HK48 & HK49 – 7 Digit Din Standard Hour Meters

72x72mm (cutout 68x68mm) and 96x96mm (cutout 92x92mm) panel mount hours-run meters, IP40 front side (available while stock lasts)

HK48-110VAC	HOUR RUN METER 72mm2 - HK48, 110V 50HZ	$	148.10
HK48-230VAC	HOUR RUN METER 72mm2 - HK48, 230V 50HZ	$	148.10
HK48-400VAC	HOUR RUN METER 72mm2 - HK48, 400V 50HZ	$	148.10
HK49-110VAC	HOUR RUN METER 96mm2 - HK49, 110V 50HZ	$	163.90
HK49-230VAC	HOUR RUN METER 96mm2 - HK49, 230V 50HZ	$	163.90
HK49-400VAC	HOUR RUN METER 96mm2 - HK49, 400V 50HZ	$	163.90

PROGRAMMABLE LOGIC CONTROLLERS

CROUZET - Millenium 3 Smart Series Controllers

Millenium 3 Smart controllers make the programming of automation control systems as simple as possible. With free downloadable progamming software, users can design programs intuitively by moving "function blocks" on their PC screen, where the wiring appears automatically, or utilise standard ladder language progamming.Standard versions offer 12 or 20 I/O, but extendable models are available to allow up to 50 I/O per controller. In addition, with its powerful calendar clock and analogue inputs, Millenium 3 Smart is ideal for building management applications such as glasshouses, pump or lighting control, heating, ventilation and access control.

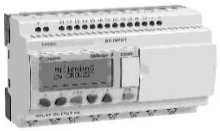
NOTE: M3 CONTROLLERS ARE BEING REPLACED BY THE MXD SERIES AND WILL NOT BE AVAILABLE ONCE EXISTING STOCK IS SOLD

CROUZET - Millenium 3 Smart Series Controllers

CD12-R-24AC-SMART	M3 SMART SERIES 8IN/4 RELAY OUT 24VAC (88974044)	$	399.00
CD12-R-24DC-SMART	M3 SMART SERIES 8IN/4 RELAY OUT 24VDC (88974041)	$	459.00
CD12-S-24DC-SMART	M3 SMART SERIES 8IN/4 S/S OUT 24VDC (88974042)	$	459.00

CROUZET - Millenium 3 Smart Series Controllers – Expandable

XD10-S-24DC-SMART	M3 SMART EXP SERIES 6IN/4 S/S OUT 24VDC (88974142)	$	749.00
XD26-R-240AC-SMART	M3 SMART EXPANDABLE 26 I/O RELAY 240VAC (89974163)	$	675.00
XD26-R-24DC-SMART	M3 SMART EXPANDABLE 26 I/O RELAY 24VDC (88974161)	$	789.00
XD26-S-24DC-SMART	M3 SMART EXPANDABLE 26 I/O SSR 24VDC (88974162)	$	1,160.00



CROUZET - Millenium 3 Controllers – Extension Units

XA04-24DC	MILLENIUM 3 ANALOGUE EXP MODULE 24VDC	$	375.00
XR14-R-240AC	M3 EXPANSION MODULE 14 I/O RELAY 240VAC	$	430.00
XR14-R-24AC	M3 EXPANSION MODULE 14 I/O RELAY 24VAC	$	430.00
XR14-R-24DC	M3 EXPANSION MODULE 14 I/O RELAY 24VDC	$	430.00

CROUZET - Millenium 3 Controllers – Accessories

M3/USB-CABLE	MILLENIUM 3 PC LINK CABLE - USB/M3 (88970109)	$	217.00
M3-BLUETOOTH	M3 BLUETOOTH INTERFACE MODULE	$	568.40
M3/EEPROM	EEPROM MEMORY MODULE FOR M3 SERIES	$	96.20
M3/HMI-CABLE	MILLENIUM 3 PC LINK CABLE - M3-BARE ENDS	$	189.00
M3/NTC3 PROBE	SILICONE NTC PROBE 0-180°C (89750186)	$	38.90
M3/PC-LINK	MILLENIUM 3 PC LINK CABLE - RS232/M3	$	299.00
M3/POTENTIOMETER	M2PE 22mm MTG POT FOR MILLENIUM II+	$	131.10
CD12-ADAPTOR	IP67 PANEL MOUNT KIT FOR CD12/XD10	$	60.00
CD12-FACEPLATE	FRONT PANEL ADAPTOR FOR CD12/XD10 IP40 (88970809)	$	60.00
CD20-ADAPTOR	IP67 PANEL MOUNT KIT FOR CD20/XD26 (89750161)	$	60.00
CD20-FACEPLATE	FRONT PANEL ADAPTOR FOR CD20/XD26 IP40 (88970810)	$	65.00

CROUZET - NEW MILLENIUUM CONTROLLERS

A new range of tricolour display controllers featuring integrated Ethernet TCP/IP port and optional RS485 Modbus. The standard 12I/O device is expandable to 60 I/O in 8 or 4 I/O blocks. Optional analog inputs and outputs are also available. The software is backwards compatible and programe size doubled. This enhanced new model simplifies the options and make for a more powerful control system.

MXD12RD7ET	SMART RELAY, 6 LINE 3 COLOR DISPLAY, 4 DI/4AI - 4 RELAY OUT, TCP/IP, 12-24DC	$	453.00
MXD12RU1ET	SMART RELAY, 6 LINE TRICOLOR DISPLAY. 8 DII - 4 RELAY OUT, TCP/IP, 24VAC/DC	$	462.00
MXD12RU3ET	SMART RELAY 6 LINE TRICOLOR DISPLAY, 8 DI - 4 RELAY OUT, TCP/IP, 230VAC	$	430.36
MXD12SD1ET	SMART RELAY, 6 LINE TRICOLOR DISPLAY 4DI +4DA - 4 SSR/PWM OUT, TCP/IP, 24VDC	$	410.00
MXR08U1	EXPANSION MODULE 8 I/O, 4 DIGITAL IN, 4 RELAY OUT, 24VAC/DC	$	307.00
MXR08U3	EXPANSION MODULE 4 DIGITAL IN, 4 RELAY OUT, 110/230VAC/DC	$	307.00
MXR16D7	EXPANSION MODULE 16 I/O, 8 DIGITAL IN, 8 RELAY OUT, 12-24VDC	$	383.00
MXR16U1	EXPANSION MODULE 16 I/O, 8 DIGITAL IN, 8 RELAY OUT, 24VAC/DC	$	496.00
MXR16U3	EXPANSION MODULE 16 I/O, 8 DIGITAL IN, 8 RELAY OUT, 110/230VAC/DC	$	445.00
MXS08D1	EXPANSION MODULE 8 I/O, 4 DIGITAL IN, 4 RELAY OUT, 24VAC/DC	$	222.00
MXS16D1	EXPANSION MODULE 16 I/O, 8 DIGITAL IN, 8 SSR OUT, 24VDC	$	409.00
MXAI02D7	EXPANSION MODULE 2 ANALOG (V/mA) IN, 12-24V DC	$	372.00
MXAI02PD7	EXPANSION MODULE 2 RTD IN, 12- 24V/DC	$	383.00
MXAO02D1	EXPANSION MODULE 2 ANALOG(V/mA) OUT, 24VDC	$	487.00
MIMESD	M3 MODULE SD CARD MEMORY	$	49.00
MI485	M3 MODULE RS485 INTERFACE	$	288.00

Due to volatile international material costs, prices may change at short notice.
check before ordering

PROGRAMMABLE LOGIC CONTROLLERS

CROUZET - EM4 Nano-PLC

The EM4 range nano-PLC from Crouzet is a leading edge range supported by best-in-class tools , enabling the creation and implementation of the smartest automation applications. Offering remote management including stop/start of your application from your phone or PC, event reporting, data logging event alerts by txt or email, and stand-alone applications EM4 is a truly flexible and adaptable solution for any automation requirement.

EM4-AERIAL			
EM4-ALERT-3G	EM4 NANO PLC ALERT 26I/O 3GS 24VDC, BLACK [88981123]	$	2,353.00
EM4-ALERT-STARTER	EM4 NANO PLC ALERT 26I/O 3GS 24VDC, BLACK [88981123]	$	2,353.00
EM4-BLUETOOTH	EM4 ALERT STARTER KIT 3G BLACK	$	2,382.30
EM4-BLUETOOTH+USB	EM4 BLUETOOTH INTERFACE MODULE	$	144.00
EM4-E10A	EM4 BLUETOOTH INTERFACE MODULE & USB RECEIVER	$	183.00
EM4-E10R			
EM4-LOCAL	EM4 NANO PLC LOCAL 26I/O 24VDC BLACK	$	1,148.80
EM4-LOCAL-ET	EM4 NANO PLC LOCAL 26I/O 24VDC BLACK	$	1,148.80
EM4-LOCAL-ET-EVALKIT	EM4 NANO PLC LOCAL WITH ETHERNET 26I/O 24VDC BLACK (88981133)	$	1,434.30
EM4-LOCAL-ET-KIT	EM4 NANO PLC KIT LOCAL WITH ETHERNET 26I/O 24VDC BLACK	$	4,459.20
EM4-MODBUS	EM4 NANO PLC KIT LOCAL WITH ETHERNET 26I/O 24VDC BLACK	$	1,498.20
EM4-USB			

EM4-ALERT

EM4-LOCAL

EM4-USB

PANASONIC - PLCs

FP0A21-A	FP0 PLC, ANALOG UNIT 2IN/1OUT	$	1,067.90
FP0A80	FP0 PLC, ANALOG UNIT 8 IN	$	1,067.90
FP0C32CT	FP0 PLC, 16IN/16OUT 24VDC NPN w/SERIAL PORT	$	1,544.40
FP0C32P	FP0 PLC, 16IN/16OUT 24VDC PNP OUTPUT	$	961.20
FP0C32T	FP0 PLC, 16IN/16OUT 24VDC NPN OUTPUT	$	961.20
FP0E16RS-A	FP0 PLC, EXPANSION UNIT 8IN/8OUT	$	575.10
FP0E32P-A	FP0 PLC, EXPANSION UNIT 16IN/16OUT-PNP	$	1,191.20
FP0E32T-A	FP0 PLC, EXPANSION UNIT16 IN/16 OUT-NPN	$	903.70
FP0E8RS-A	FP0 PLC, EXPANSION UNIT 4IN/4OUT	$	443.60
FP0PSA2	FP0 PLC, POWER SUPPLY 0.7A	$	183.40
FP0RAD4	FP0R PLC, EXTENSION, 4 ANALOG INPUTS, 14BIT, VOLTAGE/CURRENT	$	475.00
FP0RC14CRS	FP0 PLC, 8IN/6OUT 24VDC RELAY OUTPUT WITH RS232 PORT (AFP0RC14CRS)	$	501.20
FP0RC14MRS	FP0 PLC, 8IN/6 RELAY OUT, 24VDC, WITH RS485 PORT (AFP0RC14MRS)	$	635.30
FP0RC14RS	FP0 PLC, 8IN/6 RELAY OUTPUT, 24VDC	$	575.10
FP0RC16P	FP0 PLC, CPU 8IN/8 PNP OUT 24VDC	$	575.00
FP0RC32CP	FP0 PLC, CPU 16IN/16 PNP OUT, 24VDC, WITH RS232 PORT (AFP0RC32CP)	$	895.10
FP0RC32MP	FP0 PLC, CPU 16IN/16 PNP OUT, 24VDC WITH RS485 PORT	$	971.10
FP0RE16RS	FP0 PLC, EXPANSION UNIT 8IN/8 RELAY OUT (AFP0RE16RS-T)	$	422.40
FP0RE32P	FP0 PLC, EXPANSION UNIT 16IN/16 PNP OUT		
AFP0HC32EP	PLC 16IN/16 PNP OUT, 24VDC, WITH ETHERNET AND RS232 PORT	$	1,835.00
ACCESSORIES			
AFC8162	CABLE FOR FP0 TO HMI 5 PIN MINI DIN PLUG 2M CABLE	$	246.50
AFC8503	CABLE FOR FP0 TO PC c/w D9 PLUG	$	246.50
AFC8513	CABLE FOR FP0 TO PC c/w D25 PLUG	$	254.70
AFP0-10WAYRIBBON	FP0R 10WAY RIBBON IDC BOTH ENDS	$	17.30
AFP0581	FP0 POWER CABLE ACCESSORY	$	47.70
AFP0802	CONNECTOR FP0 I-O SCREW TYPE SET OF 2	$	82.10
AFP0804	FLAT PANEL MOUNT FOR FP0x PLC 10 PACK	$	98.20
AFP0811	FP0R SLIM 30 MOUNTING PLATE 10 PACK	$	80.90
FP0-8WAY-INTERFACE-P	FP0 PLC PNP INPUT INTERFACE MODULE C/W 1.0m CABLE	$	104.00
FP0-16WAY-OP-P	FP0 PLC PNP OUTPUT INTERFACE MODULE C/W 1.0m CABLE	$	104.00
FP0-RIBBON-200	200mm 10 WAY RIBBON CABLE FOR FP0-RELAY INTERFACE	$	32.10
FP0-RIBBON-500	500mm 10 WAY RIBBON CABLE FOR FP0-RELAY INTERFACE	$	32.10
FP0-RIBBON-1000	1000mm 10 WAY RIBBON CABLE FOR FP0-RELAY INTERFACE	$	32.10

CROUZET - Millenium Slim Logic Controller

CB8R-AC	MILLENIUM SLIM LOGIC CONTROLLER 4IN/4 RELAY OUT, 110- 230VAC 88983903	$	447.90
CB8R-DC	MILLENIUM SLIM LOGIC CONTROLLER 4IN/4 RELAY OUT 24VDC 88983901	$	447.90
CB8S-DC	MILLENIUM SLIM LOGIC CONTROLLER, 8I/O SOLID STATE 24VDC 88983903	$	413.30
CB8R-BLUETOOTH	MILLENIUM SLIM LOGIC CONTROLLER USB BLUETOOTH DONGLE (88980124)	$	75.00

INPUT / OUTPUT (I/O) MODULES

AKYTEC - Modbus/RTU Digital and Analogue IO modules

Akytec's I/O modules offer a cost-effective and flexible solution in distributed automation systems, whether supplementing existing systems or creating new high-performance systems. Modules are DIN rail or wall mounting, support Modbus comms via a serial RS485 port, and are powered by 24Vdc. Digital inputs associated counter registers making them usefull as pulse count/accumilators.

AKY-MK110-24.8D.4R	DIGITAL I/O MODULE 8DI & 4 DO NPN INPUT	**$**	**466.56**
AKY-MK210-311	I/O MODULE, MODBUS TCP, 6 NPN DIGITAL INPUTS, 8 RELAY OUTPUTS	**$**	**673.92**
AKY-MK210-312	I/O MODULE, MODBUS TCP, 12 NPN/PNP DIGITAL INPUTS, 4 RELAY OUTPUTS	**$**	**777.60**
AKY-MV110-24.16DN	I/O MODULE,16 x DIGITAL NPN/PNP INPUTS	**$**	**466.56**
AKY-MV110-24.1TD	I/O MODULE, MODBUS/RTU, 1 LOAD CELL INPUT, 24VDC	**$**	**490.00**
AKY-MV110-24.8A	ANALOG INPUT MODULE, 8 x TC-RTD-4-20mA INPUTS	**$**	**907.20**
AKY-MV110-24.8AS	ANALOG INPUT MODULE, 8 x 0-20mA, 0-10V INPUTS	**$**	**777.60**
AKY-MV210-101	I/O MODULE, MODBUS TCP, 8 ANALOG INPUTS, RTD, TC, 4-20mA, 0-1VDC	**$**	**1,140.48**
AKY-MV210-202	I/O MODULE, MODBUS TCP, 20 NPN/PNP DIGITAL INPUTS	**$**	**829.44**
AKY-MV210-204	I/O MODULE, MODBUS TCP, 20 NPN DIGITAL INPUTS	**$**	**829.44**
AKY-MV210-212	I/O MODULE, MODBUS TCP, 32 NPN/PNP DIGITAL INPUTS	**$**	**1,036.80**
AKY-MU110-24.8R	I/O MODULE 8 RELAY OUTPUTS	**$**	**518.40**
AKY-MU110-24-6U	I/O MODULE 6 ANALOGUE OUTPUTS 0-10V	**$**	**959.04**
AKY-MU110-24-8I	I/O MODULE 8 ANALOG OUTPUTS 4-20mA	**$**	**1,010.88**

Carrel Electrade Maufactured Relay Modules with Modbus/RTU or IO-Link

Our own relay modules that control using Modbus/RTU or IO-Link. These are great time and space saving option compared to using traditional output modules and driving interposing relays. You have option of mixing and matching mechanical and solid state relays as they are interchangable. The RS485 com port is optically isolated, supporting 9600 and 19200 baud rates.

RM-8WAY-MB-24VDC	RELAY INTERFACE MODULE, 24VDC - WITH MODBUS COMMS OUTPUT, 8 WAY	**$**	**449.00**
RM-16WAY-MB-24VDC	RELAY INTERFACE MODULE WITH MODBUS COMMS OUTPUT, 24VDC, 16 WAY	**$**	**689.00**
RM-16WAY-IOLINK	RELAY INTERFACE MODULE, 16 WAY IOLINK FUSED (IOLINK ADAPTOR EXCLUDED)	**$**	**555.40**

Carrel Electrade Manufactured Analogue input with Modbus/RTU

Our very own analogue input module using Modbus/RTU. Originally developed for remote monitoring of distribution transformer temperatures, we created a variant that has 0 - 20mA The RS485 com port is optically isolated, supporting 9600 and 19200 baud rates.

TRMON-PT100MB-24VDC	CEM17 Pt100 MODBUS TRANSDUCER	**$**	**257.30**
AIM-MB-24VDC	ANALOG INPUT MODULE, 4-20mA - MODBUS TRANSDUCER, 24VDC AUX	**$**	**257.30**

FINDER - Modbus RTU/TCP Gateway

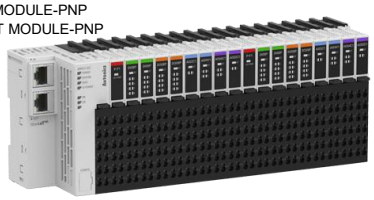
This device is useful if you are wanting to use 1 or multiple modbus/RTU devices on Ethernet.

6M.BU.0.024.2200	MODBUS TCP TO MODBUS RS485 RTU GATEWAY	**$**	**388.90**

Autonics ARIO Slice IO

Our very own relay modules that control using Modbus/RTU. These are great time and space saving option compared to using traditional output modules and driving interposing relays. You have option of mixing and matching mechanical and solid state relays as they are interchangable.

ARIO-C-EC	SLIM REMOTE I/O COUPLER-ETHERCAT	**$**	**675.70**
ARIO-C-EI	SLIM REMOTE I/O COUPLER-ETHERNET/IP	**$**	**869.70**
ARIO-C-MT	SLIM REMOTE I/O COUPLER-MODBUS TC/IP	**$**	**651.40**
ARIO-S-AI04C1	SLIM REMOTE I/O 4 CHANNEL ANALOG INPUT MODULE-CURRENT	**$**	**589.10**
ARIO-S-AO04C1	SLIM REMOTE I/O 4 CHANNEL ANALOG OUTPUT MODULE-CURRENT	**$**	**738.00**
ARIO-S-DI08P	SLIM REMOTE I/O 8 CHANNEL DIGITAL INPUT MODULE-PNP	**$**	**177.90**
ARIO-S-DO08P	SLIM REMOTE I/O 8 CHANNEL DIGITAL OUTPUT MODULE-PNP	**$**	**233.30**



FAS - I/O-LINK HUBS AND CABLES

Manufacturing Enterprises need to use cutting-edge industrial network communication technology to achieve comprehensive monitoring and control of equipment and systems. FAS's industrial network products are rich and diverse, including IO-Link technology, Profinet, Ethernet/IP, EtherCAT, CC-Link IEF Basic, Profibus-DP, Modbus-TCP, Modbus-RTU and many other levels of information transmission, which can cope with increasingly complex data needs and communication challenges and ensure smooth information flow. This product has been widely used in industries such as automotive manufacturing, lithium battery production equipment and photovoltaic equipment.

I/O LINK DESCRIPTION

IO-Link is a short distance, bi-directional, digital, point-to-point, wired (or wireless), industrial communications networking standard (IEC 61131-9) used for connecting digital sensors and actuators to either a type of industrial fieldbus or a type of industrial Ethernet.[1] Its objective is to provide a technological platform that enables the development and use of sensors and actuators that can produce and consume enriched sets of data that in turn can be used for economically optimizing industrial automated processes and operations. The technology standard is managed by the industry association

How it works:

IO-Link master: A device that acts as a gateway between the field devices and the control system. It transmits data from the devices to the control system.

IO-Link devices: Devices that communicate their status and diagnostics to the IO-Link master. These devices can include sensors, valves, and I/O modules.

Digital signals: IO-Link uses digital signals to ensure data integrity is maintained from the sensor to the control system.

Benefits:

Versatile: IO-Link can handle various types of data, including process data, service data, and event data.

Easy to integrate: IO-Link can be incorporated into existing automation systems with minimal disruption.

Maintains data integrity: IO-Link uses digital signals to ensure data integrity is maintained.

I/O-Link Master Stations with gateway function

With the IO-Link master, you can easily manage one or more IO-Link devices and connect them to the fieldbus network. This connection method has extremely high stability and reliability, and perfectly solves problems such as slow data transmission speed and signal loss. In addition, it provides many convenient functions such as network diagnosis, parameter configuration and communication status monitoring to improve production efficiency and equipment safety. A single device can support four industrial Ethernet protocols: Profinet, Ethernet/IP, CC-Link IEF Basic, Modbus-TCP Individual Industrial Ethernet protocols: EtherCAT, Profinet

IOL-MASTERA-EC-M12-8	IOLINK MASTER, ETHERCAT, IP67, M12, 8 PORT CLASS A (006B11)	$	1,023.36
IOL-MASTERA-MP-M12-4	IOLINK MASTER, IP67, M12, 4 PORT CLASS A (007AA1)	$	726.57
IOL-MASTERA-MP-M12-8	IOLINK MASTER, IP67, M12, 8 PORT CLASS A (007B11)	$	1,211.00
IOL-MASTERB-EC-M12-4	IOLINK MASTER, ETHERCAT, IP67 , M12, 4 PORT, CLASS B(006BA1)	$	679.00
IOL-MASTERB-EC-M12-8	IOLINK MASTER, ETHERCAT, IP67, M12, 8 PORT CLASS B (006B51)	$	985.69
IOL-MASTERB-MP-M12-4	IOLINK MASTER, IP67, M12, 4 PORT CLASS B (007BA1)	$	838.35
IOL-MASTERB-MP-M12-8	IOLINK MASTER, IP67, M12, 8 PORT CLASS B (007B51)	$	1,304.00

I/O-Link Hub Stations with gateway function

IOL-EHUB-M12-16DIO	IOLINK EXPANDABLE HUB, IP67, M12, 16DI/DO PNP, 24VDC(00BD31)	$	335.00
IOL-HUB-1-0-10V-IP	IOLINK HUB, 1 x 0-10V INPUT (0AC001)	$	196.00
IOL-HUB-1-0-10V-OP	IOLINK HUB, 1 x 0-10V OUTPUT (0AC081)	$	195.00
IOL-HUB-1-4-20MA-IP	IOLINK HUB, 1 x 4-20mA INPUT (0AC021)	$	196.00
IOL-HUB-1-4-20MA-OP	IOLINK HUB, 1 x 4-20mA OUTPUT (0AC061)	$	195.00
IOL-HUB-1-PT100-IP	IOLINK HUB, 1 x PT100 INPUT (0AC041)	$	215.00
IOL-HUB-8-4-20-IP	IOLINK HUB, IP67 , M12, 8 x 4-20mA INPUTS (00BA16)	$	834.21
IOL-HUB-8-4-20-OP	IOLINK HUB, IP67 , M12, 8 x 4-20mA OUTPUTS (00BA17)	$	726.57
IOL-HUB-D25-24DO	IOLINK HUB, SUB D25 ADAPTER, 16DO, 24VDC(00BL11)	$	335.00
IOL-HUB-IP20-16DIO	IOLINK HUB, 16DI/DO, 24VDC(00BH11)	$	275.00
IOL-HUB-M12-16DIO	IOLINK HUB, IP67 , M12, 16DI/DO PNP, 24VDC(00BE31)	$	310.00
IOL-HUB-M12-8DIOHC	IOLINK HUB, IP67 , M12, 8DI/DO PNP 2AMP O/P, 24VDC(00BF31	$	577.00
IOL-HUB-M12-8PT100	IOLINK HUB, IP67 , M12, 8 x PT100 INPUTS (00BT31)	$	834.21
IOL-HUB-M8-16DI	IOLINK HUB, IP67, M8, 16DI PNP, 24VDC(00B316)	$	275.00

IO-LINK-IOLB-8118	IOLINK OUTPUT BLOCK, 8 POINT, IP67, M12	$	644.10

Ask about out range of I/O-LINK compatible sensors

Pneumatic tech

Fuyansheng"FAS" focuses on the R&D and manufacturing of solenoid valves, valve islands and other products, providing high-quality solutions for the automotive, electronics, food packaging, water treatment and biopharmaceutical industries. We are unique in the integration of pneumatic and automation components, and have won the trust and reputation of global customers with our excellent quality and rich products.

IOL-HUB-16VALVE-SMC	IOLINK HUB, SMC VALVE ISLAND (7V07161201WH)	$	599.00
IOL-HUB-18VALVE-JFP	FV-L14-B-Z-Q10-U-6Q68Q44Q6-10L-M6SM4MSM4L4	$	1,844.62

Ask us about the availability of Pneumatic hubs and manifolds

FAS I/O LINK Connecting Cables

64D181-010	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 400VAC COIL	$	59.60
64D181-020	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 400VAC COIL	$	59.60
64D181-050	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 400VAC COIL	$	59.60
64D181-100	POWER RELAY FLANGE MOUNT, 3CO 16A@250VAC, 400VAC COIL	$	59.60
64D181-150	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64D181-200	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64D281-010	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64D281-050	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64D281-100	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64E021-050	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64E021-100	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64E041-050	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64E041-100	CABLE, M12 STRAIGHT MALE TO FEMALE A-CODE, 4 POLE, 15M	$	99.00
64F009	CONNECTOR, FOOD GRADE, M12 STRIAGHT FEMALE A-CODE, PUSH IN TERMINALS, 4 POLE	$	12.00
64F109	CONNECTOR, FOOD GRADE, M12 STRIAGHT MALE A-CODE, PUSH IN TERMINALS, 4 POLE	$	12.00
64F201	CONNECTOR, M12 STRIAGHT FEMALE A-CODE, SCREW TERMINALS, 5 POLE	$	14.50
64F241	CONNECTOR, M12 RIGHT ANGLE, FEMALE A-CODE, SCREW TERMINALS, 5 POLE	$	14.80
64F281	CONNECTOR, M12 STRIAGHT MALE A-CODE, SCREW TERMINALS, 5 POLE	$	14.50
64F321	CONNECTOR, M12 RIGHT ANGLE, MALE A-CODE, SCREW TERMINALS, 5 POLE	$	14.80
64F741	CONNECTOR, METAL, M12 STRIAGHT MALE A-CODE, PUSH IN TERMINALS, 4 POLE	$	24.00
64F761	CONNECTOR, METAL, M12 STRIAGHT FEMALE A-CODE, PUSH IN TERMINALS, 4 POLE	$	24.00
64F841	CONNECTOR, PLASTIC, M12 STRIAGHT MALE A-CODE, PUSH IN TERMINALS, 4 POLE	$	18.00
64F941	CONNECTOR, PLASTIC, M12 STRIAGHT FEMALE A-CODE, PUSH IN TERMINALS, 4 POLE	$	18.00
64L001	CONNECTOR, M12 STRIAGHT FEMALE L-CODE, 5 POLE	$	55.00
64L021	CONNECTOR, M12 STRIAGHT MALE L-CODE, 5 POLE	$	55.00
64LD05-005	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-010	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-020	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-050	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-100	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-150	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-200	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-300	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LD05-500	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS05-020	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS05-050	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS05-100	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS05-150	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS05-200	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS05-500	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS25-020	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS25-050	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS25-100	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS25-150	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS25-200	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64LS25-500	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S101-020	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S101-050	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S101-100	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S101-150	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S101-200	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S141-020	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S141-030	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S141-050	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S141-100	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S141-150	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S141-200	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S201-050	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S201-100	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S201-300	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S205-300	T-CONNECTOR, L-CODE, 5POLE MALE TO 2 5POLE FEMALE,16A	$	74.99
64S261-050	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 5M	$	42.00
64S261-100	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S261-1000	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S261-400	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S261-500	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S265-1000	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S265-400	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S265-500	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S281-050	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S281-100	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S285-300	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S309-015	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S309-050	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S309-100	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S323-015	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S323-020	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S323-050	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S323-200	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S341-015	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00
64S381-100	CABLE, M12 STRAIGHT FEMALE A-CODE TO FREE END, 5 POLE, 10M	$	69.00

DATALOGIC - Barcode Readers

Datalogic Industrial Barcode Readers are part of a full range of leading-edge scanning devices developed by Datalogic to cover all markets, including factory automation healthcare, transportation & logistics and retail sectors. Ongoing development has lead to an array of models to suit any imaging application from entry-level scanners to high precision devices for pharmaceutical and healthcare applications.With expert backup from Datalogic's worldwide network behind us, Carrel-Electrade can offer the tools required for the most stringent imaging requirements. Please call for recommendations and pricing.

POWERSCAN PM9500 HAND-HELD SCANNER

MATRIX 120 FIXED BARCODE READER

MATRIX 220 FIXED BARCODE READER

MATRIX 300N FIXED BARCODE READER

DATALOGIC - CAMERA VISION SYSTEMS - Datalogic Camera Vision System

Machine Learning Assisted Setting.Fast and Easy Setting like standard photosensor.TEACH Button and comprehensive UI with 5 status LEDs 50...150mm operating distance with 5 status LEDs 50...150mm operating distance

SMART-VS-MR-5-150-WH		SMART VS VISION SENSOR, 150mm RANGE , WHITE LED INTEGRAL LIGHT	**$**	**3,031.90**

DATALOGIC - P-SERIES SMART CAMERA

P19-937700009	CAMERA, IMPACT P10 GRAYSCALE, 1280x1024 60FPS 1/1.8inch CMOS, OCR	**$**	**6,346.70**
P17-937700007	CAMERA, IMPACT P17 GRAYSCALE, 1280x1024 120FPS	**$**	**10,386.90**
P10-937700000	CAMERA, IMPACT P10 GRAYSCALE, 640x480 120FPS	**$**	**5,053.10**
P16-93700005	CAMERA, IMPACT P16 COLOUR, 1280x1024 120FPS	**$**	**8,200.50**
P15-937700001	CAMERA, IMPACT P15 GRAYSCALE, 1280x1024 60FPS	**$**	**5,911.50**

P1X SERIES

P2X SMART CAMERA

The products listed above show a very small selection from the range of cameras and vision systems available from Datalogic. Please contact us for an assessment of your application and appropriate product recommendations.

PROFACE Touch Screens/HMIs

The PRO-FACE range of Human-Machine Interface products (HMI) is extensive and flexible to allow the best possible application to any factory automation need, and is backed with CEL's years of experience and knowledge. ProFace's leading edge products offer a high level of protocol support, and a global support network assures a commitment to the product. Listed below is but a small representation of the PRO-FACE range. Many other models are available to fill the most demanding HMI application. For further details of the range,please got to www.pro-face.com or contact us for specifications, pricing and delivery.

PRO-FACE - Touch Operator InterfaceS

High performance user-friendly interface screens for clear, intelligent data and control. Modular models mount through a 22mm hole for ease of installation

PFXGM4201TAD	3.5inch TFT HMI SCREEN 24VDC MODULAR (GP4201-TM)	**POA**
PFXGM4301TAD	5.7inch TFT HMI SCREEN 24VDC 22mm MOUNT (GM4301-TM)	**POA**
PFXGP4105W1D	3.4inch MONOCHROME (W/P/R) RS232C	**POA**
PFXGP4201TAD	3.5inch TFT HMI SCREEN 24VDC ETHERNET (GP4201-T)	**POA**
PFXGP4201TADW	3.5inch TFT HMI SCREEN 24VDC, 2 x SIO, USB A/MiniB x1 (GP4201-TW)	**POA**
PFXGP4203TAD	3.5inch TFT HMI SCREEN 24VDC (GP4203-T)	**POA**
PFXGP4301TADW	5.7inch TFT HMI SCREEN 24VDC	**POA**
PFXGP4303TAD	5.7inch TFT HMI SCREEN 24VDC(GP4303-T)	**POA**
PFXGP4401TAD	7.5inch TFT HMI SCREEN 24VDC (GP4401-T)	**POA**
PFXGP4401WADW	7.0inch TFT HMI, WIDE SCREEN, ECO MODEL, 24VDC (GP4401WW)	**POA**
PFXGP4501TAA	10.4inch TFT HMI ANALOG ETH SD 230VAC(GP4501TAC)	**POA**
PFXGP4501TAD	10.4inch TFT HMI ANALOG ETH SD 24VDC (GP4501T)	**POA**
PFXGP4501TADW	10.4inch HMI TFT ANALOG 24VDC, USE PFXST6500TADE	**POA**
PFXGP4503TAD	10.4inch TFT HMI ANA ETH SD 24VDC ISOL 485(GP4503T)	**POA**
PFXGP4601TAD	12.1inch TFT HMI ANALOG ETH SD 24VDC(GP4601T)	**POA**

PRO-FACE - SP5000 Smart Portal HMI

PFXSP5500TPD	10.4inch HMI TFT COLOUR DISPLAY, MUST HAVE REAR MODULE(SP5500TP)	**POA**
PFXSP5600TPD	12.1inch HMI TFT COLOUR DISPLAY, MUST HAVE REAR MODULE(SP5600TP)	**POA**
PFXSP5700TPD	15inch HMI TFT COLOUR DISPLAY, MUST HAVE REAR MODULE(SP5700TP)	**POA**
PFXSP5B10	POWER BOX REAR MODULE TO SUIT SP5xxxTP DISPLAYS(SP5B10)	**POA**

PRO-FACE - Software - GP-Pro EX

Programming and editing software.Free trial version available with upgrade to full version on purchase of license Proface remote HMI - remote monitoring software for mobile & tablets. Download the software from Apple pay and Google Pay.

EXOR - IOT Gateways- Routers

TPEX EXWARE703	IOT CONTROLLER, SECURE ROUTER, JMOBILE LICENCE, INPUT VOLTAGE 24VDC	$	1,838.70
TPEX EXWARE705	IoT GATEWAY CONTROLLER, SECURE ROUTER, JMobile Licence, Input 24VDC	$	2,531.50
TPEX MICROEDGE-4G	MICROEDGE MODULAR 4G MODEM, 2DI, 2DO (XMP-011)	$	1,012.00
TPEX MICROEDGE-BASIC	MODULAR IOT EDGE GATEWAY, 2 ETHERNET PORTS, 1 CAN PORT	$	1,822.00
TPEX MICROEDGE-PLUS	MODULAR IOT EDGE GATEWAY, 2 ETHERNET PORTS, 1 RS485, 1 CAN PORT (XME-10)	$	2,158.00

EXOR 200 series HMIs

TPEX EX207	TOUCHSCREEN, GLASS, 7inch TFT, 1024x600, 2x Ethernet , 1x RS232/422/485, 1 x CAN	$	2,931.00
TPEX EX210	TOUCHSCREEN, GLASS, 10inch TFT, 1280x800, 2x Ethernet , 1x RS232/422/485, 1 x CA	$	3,393.00
TPEX EX215	TOUCHSCREEN, GLASS, 15inch TFT, 1920x1080, 2x Ethernet , 1x RS232/422/485, 1 x C	$	4,899.00

EXOR 700 series HMIs

TPEX EX705	TOUCHSCREEN, PCT 5inch TFT HMI, 16:9 LED 64K, GLASS CAPACITIVE SCREEN	$	2,675.00
TPEX EX707	TOUCHSCREEN, GLASS, 7inch TFT 16:9, 800x480, 3x Ethernet 10/100, 2x USB	$	4,268.00
TPEX EX710	TOUCHSCREEN, GLASS, 10.1inch TFT 16:9,1280x800 WXGA, 3x Ethernet 10/100, 2x USB	$	5,414.00
TPEX EX715	TOUCHSCREEN, GLASS,15inch TFT 16:9,1366x768 WXGA, 3x Ethernet10/100, 2x USB	$	7,705.00
TPEX EX721	TOUCHSCREEN, GLASS, 21.5 inch TFT 16:9,1920X1080 WXGA, 3x Ethernet 10/100, 2x US	$	11,448.00

EXOR -TPEX CODESYS V3 1

TPEX EX707G	TOUCHSCREEN, GLASS, 7inch TFT HARSH ENVIRONMENT 3x Ethernet 10/100, 2x USB	$	5,351.50
TPEX EX710G	TOUCHSCREEN, GLASS, 10inch TFT HARSH ENVIRONMENT 3x Ethernet 10/100, 2x USB	$	7,355.00

EXOR 700 Series Accessories

TPEX PLCM01	CAN MODULE FOR 500, 600 and eX700	$	625.80
TPEX PLCM03	Serial communication module. RS-232	$	534.50
TPEX PLCM04	Serial communication module. RS-485 with optical isolation	$	625.80
TPEX PLCM09	GSM/GPRS MODEM FOR EXOR EX700 SERIES	$	649.10
TPEX PLCM10	4G GSM/GPRS MODEM FOR EXOR EX700 SERIES	$	1,389.00
TPEX PLIO03	I/O MODULE, 20DI, 12DO, 8AI, 4AO	$	1,875.00
TPEX PLIO06	COMPACT I/O MODULE, 8DI, 6DO, 1 R/O	$	717.00

EXOR JSMART HMIs

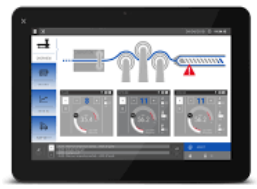
TPEX JSMART705	TOUCHSCREEN, PCT, 5inch TFT HMI, POE, 800x480	$	2,909.30
TPEX JSMART707	TOUCHSCREEN, PCT, 7inch TFT HMI, POE, 1024x600	$	4,111.00
TPEX JSMART707 NFC	TOUCHSCREEN, PCT, 7inch TFT HMI WITH NFC, POE, 1024 x 600	$	4,525.30
TPEX JSMART710	TOUCHSCREEN, PCT, 10inch TFT HMI, POE, 1280 x 800	$	5,488.00
TPEX JSMART715	TOUCHSCREEN, PCT, 15inch TFT HMI, POE, 1366 x 768	$	7,619.00

EXOR JSMART Accessories

TPEX JSPUOP1	JSmart PoE injector DIN rail mounting	$	1,064.10
TPEX JSBRU001	JSMART 5/7/10INCH TUBE DEVICE BRACKET	$	360.10
TPEX JSBRU002	JSMART 15/21INCH TUBE DEVICE BRACKET & WALL BRACKET	$	551.60
TPEX JSBRU003	JSMART 5/7/10INCH ADAPTOR BRACKET WITH PLUG	$	360.10
TPEX JSBRU007	JSMART 5/7/10INCH GOOSENECK BRACKET C/W 5M CABLE	$	671.40

EXOR Software

TPEX JMSTUDIO 3	EXOR PROGRAMMING SOFTWARE 3 ACTIVATIONS	$	739.20
TPEX JMOBILE RUNTIME	JMOBILE PC Runtime Activation licence	$	1,489.00
TPEX CODESYS V3 1	1 x CODESYS ACTIVATION LICENCE, V3 RUNTIME	$	327.40



DATA-LOGGERS

AKYTEC - MSD200

Akytec's MSD200 Data Logger offers 4 analogue (0)4-20mA configurable inputs, RS485 interface and Modbus RTU/ASCII communication protocol and can log up to 64 channels. Data is stored on an SD card, integrated USB port. DIN rail mounted 24Vdc powered. The MSD200 can be configured as a modbus slave, but can also be a master allowing you to datalog any slave device including power meters.

AKY-MSD200		DATA LOGGER 64 CHANNEL 32GB MEMORY, 4 x ANALOG INPUTS	**$ 930.26**

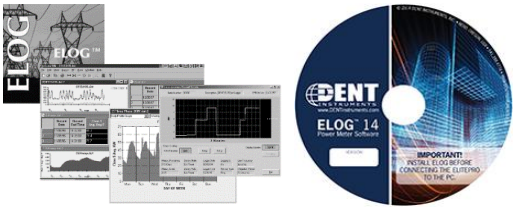
ELITEpro™ Recording 1 or 3-Phase Power Meter

The ELITEpro features data logging of kWh, volts, amps, kVA, kvar and power factor for single or three-phase loads. It also offers power quality analysis via harmonics and waveform capture. The ELOG software package is used to program the meter, retrieve, display and analyse recorded data.

Features:
Measure single phase or three phase loads, ac or dc voltages. Measures kWh, volts, amps, kVA, kvar, power factor, harmonic content, 144 different parameters, USB and standard ethernet ports. Optional Wi-Fi interface allows remote data collection over wireless networks and real-time values checking via tablet,smartphone or web browser. May be configured with optional Bluetooth® wireless technology. Four analogue inputs configurable for voltage or current allows process or environmental data correlation with power data Line powered - no need for batteries or external power source. 16MB non-volatile memory allows months of recording time. User defined recording intervals from 1 s to 24 hrs, Record maximum, minimum, average, instantaneous or all parameters. Better than 1% accuracy (0.2% typical)

ELOG™ Software for ELITEpro instruments

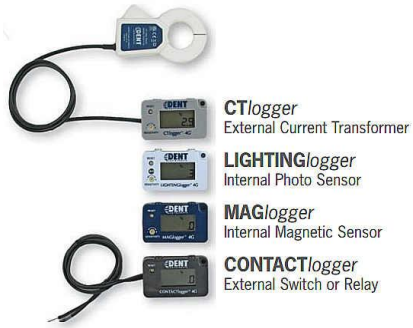
ELOG is the software package that interfaces with the ELITEpro instruments. Everything from setup, real time data display, data analysis, harmonic/waveform capture analysis and automatic data collection is built into this Microsoft Windows™ based software. ELOG automatically detects what type of instrument it is communicating with and adjusts the appropriate options accordingly. This makes setting up of your equipment even easier. All of the options are fully user configurable and can be turned on or off with just a button click. Communicates with loggers directly or remotely with the built in modem option. The real time display enables verification of equipment installation as well as quick and easy monitoring of data. Data analysis is a key function when choosing monitoring equipment. ELOG makes it easy in several ways. Creating graphs, viewing the data in tabular format or exporting to Microsoft Excel™ are all simple tasks.
ELOG makes use of several available graphing functions.
The graph types, style, axis titles and all other options are almost limitless.
ELOG easily exports the data as an ASCII comma delimited text file for importing into spreadsheets.



SMARTloggers™ – Time of Use Monitors

The SMARTloggers™ are single channel data loggers designed to monitor the on/off status, time of use and total on time of energy consuming devices or systems. The non-contact monitoring makes installation simple. The data is stored on board for later retrieval and analysis using SMARTware™ software and your computer. These four instruments are designed to address the top reasons that monitoring is sometimes skipped - price and complexity. The LIGHTINGlogger™ monitors lighting usage.The MAGlogger™ monitors motors and similar devices simply by being near the magnetic field. The CTlogger™ comes with a clamp CT (current transformer) to isolate the field you want to monitor. The CONTACTlogger™ monitors the contacts of an external switch or relay.

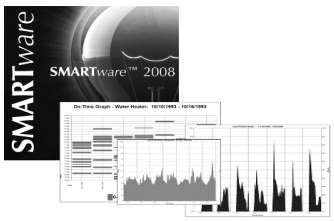
Features:
- Internal sensors or current transformer(CTlogger)
- Display 5 digit LCD showing on status, total on time and percent on Time Stamps Month, day, year, hour, minute and second (one second resolution)
- Data analysis Statistics, summaries, graphs and export using SMARTware™
- Memory 32,000 records, ring memory plus separate on time total
- Communications USB with SMARTlogger comms cable, download 8000 records in less than 7 seconds
- Sensitivity LIGHTINGlogger - adjustable, MAGlogger - 40 mGauss min, CTlogger - 0.25 A min,CONTACTlogger - dry contacts.
- Internal clock Crystal controlled, true calendar, 20ppm accuracy (<1min/month)
- Battery life up to 5 years, user replaceable
- Dimensions 63 x 38 x 19mm, weight 40gm
- Three year warranty



SMARTware™ Software for SMARTloggers

LIGHTINGlogger, MAGlogger, CTlogger & CONTACTlogger
All SMARTloggers™ use SMARTware™ software that makes it easy to analyse and visually present monitored data. SMARTware has a variety of pre-programmed analysis and graphs, and can also export the data to popular spreadsheets and databases such as Excel® and Access®

Features:
- USB connection - Download 8000 records of data in less than 7 seconds
- Graphs - Total on-time rate schedule, statistical summaries and time series analysis
- File aggregation - Combine data from multiple readings into a single file
- Exporting - Data file exporting to other popular spreadsheet and database programs
- Import CSV files - Make changes to a data file in Excel then import back into SMARTware for analysis
- Reprogrammable TOU firmware - User upgradeable firmware within SMARTloggers
- Edit raw data - Now data can be edited and unneeded records can be removed
- Auto-launcher - SMARTware automatically starts when the comms cable is connected to the PC
- Compatibility - Windows 2000 and XP
- Backward compatible - Works with all legacy TOU SMARTloggers



Due to volatile international material costs, prices may change at short notice.
check before ordering

MTL - INTRINSICALLY SAFE CONTROL PRODUCTS

GALVANIC ISOLATORS

MTL Isolators, an alternative to barriers, need no high-integrity earthing and can provide signal amplification and relay options, while their hazardous/safe-area isolation allows each to be earthed at any convenient point,simplifying installation and avoiding earth-loop problems. Universal and custom backplanes are available for easy mounting and installation.

MTL - Intrinsically Safe Isolators 5500 series

MTL5510	4 CH DIGITAL INPUT S/S	$	1,041.50
MTL5510B	4 CH MULTIFUNCTION DIGITAL INPUT S/S	$	1,324.20
MTL5511	1 CH DIG IN - C/O RELAY OUTPUT + LFD	$	468.80
MTL5513	I.S. ISOLATOR PROX/SWITCH, 2 INPUTS, SSR OUTPUT, WITH LFD	$	675.60
MTL5514	1 CH DI C/O RELAY OUTPUT +LFD	$	675.60
MTL5514D	1-CH SWITCH/PROX RELAY DUAL RELAY OUTPUT	$	610.60
MTL5516C	I.S. ISOLATOR PROX/SWITCH, 2 INPUTS, RELAY OUTPUT, WITH LFD	$	675.60
MTL5517	2 CH DI RELAY OUTPUT + LFD ALARM	$	831.00
MTL5521	SOLENOID/ALARM DRIVER	$	570.40
MTL5522	SOLENOID ALARM/DRIVER LOOP POWER	$	625.40
MTL5523	SOLENOID /ALARM DRIVER + LFD	$	831.00
MTL5524	SOLENOID ALARM DRIVER 1 CHANNEL	$	750.30
MTL5525	SOLENOID/ALARM DRIVER, SW CNTR +OVR	$	625.40
MTL5526	2CH LOOP PWRD/SWITCED I.S. RELAY	$	853.10
MTL5531	1CH VIBRATION TXDUCER I/F	$	1,145.60
MTL5532	PULSE ISOLATOR TO PULSE AND ANALOG	$	1,084.40
MTL5541	1 CH SMART TRANSMITTER REPEATER, 4-20mA	$	968.10
MTL5541-A	1CH REPEATER PS 4-20mA PASSIVE INPUT	$	980.10
MTL5541-S	1 CH REPEATER POWER SUPPLY, 4-20mA PASSIVE	$	1,084.40
MTL5544	2 CH REPEATER POWER SUPPLY 4-20mA ACTIVE	$	1,510.30
MTL5544-A	I.S. REPEATER POWER SUPPLY, 2CH 4-20mA PASSI	$	1,490.00
MTL5544-D	I.S. REPEATER POWER SUPPLY,1CH IN 2CH OUT	$	1,283.90
MTL5544-S	2 CH REPEATER POWER SUPPLY 4-20mA PASSIV	$	1,648.60
MTL5546	1 CH SMART 4-20mA ISO DRIVER + LFD	$	987.70
MTL5546Y	1 CH SMART 4-20mA ISO DRIVER + o/c LFD	$	987.70
MTL5549	2 CH SMART 4-20MA ISO DRIVER + LFD	$	1,510.30
MTL5553	DATA HIGHWAY ISOLATOR FOR MTL830 MUX	$	1,420.00
MTL5561	2 CH FIRE/SMOKE DETECTOR	$	1,012.20
MTL5573	1 CH TEMP CONVERT T/C & RTD-SETUP NO ALARM	$	1,238.60
MTL5575	1 CH TEMP CONVERT T/C and RTD-SETUP	$	1,389.10
MTL5576-RTD	2 CH RTD CONVERTER TO 4-20MA	$	1,901.90
MTL5576-THC	2 CH THC CONVERTER TO 4-20MA	$	2,062.20
MTL5581	mV ISOLATOR FOR LOW-LEVEL SIGNALS	$	741.70
MTL5582B	ISOLATOR FOR RTD TO RTD	$	995.50
MTL5995-PS	FIELD-BUS PSU (OBSOLETE use F10X-PS)	$	-
MTL5521-11-24	SOLENOID/ALARM DRIVER	$	570.40
MTL5531-111LI	1CH VIBRATION TXDUCER I/F	$	1,145.60
MTL5531-115L	1CH VIBRATION TXDUCER I/F	$	1,145.60
MTL5536-11LU	PULSE ISOLATOR TO PULSE AND ANALOG	$	1,084.40

MTL - I.S. Digital Indicators and Displays

MTL661	3.5 DIGIT IS INDICATOR - FIELD MOUNT	$	2,943.40
MTL661-B	3.5 DIGIT IS INDI-FIELD MNT-BK LGT	$	2,877.70
MTL662	3.5 DIGIT IS INDICATOR - PANEL MOUNT	$	2,776.30
MTL663	DIGITAL INDICATOR 4-20mA LOOP POWERED	$	2,776.30
MTL663-B	DIGITAL INDICATOR 4-20mA LOOP POWERED C/W BACKLIGHT	$	3,032.90
MTL665	DIGITAL INDICATOR 4-20mA LOOP POWERED, DIN PANEL MOUNT	$	2,776.30
MTL677	SWITCH STATUS IS INDICATOR	$	94.70
MTL661-ABS	3.5 DIGIT IS INDICATOR - FIELD MOUNT	$	2,943.40
MTL665B	DIGITAL INDICATOR 4-20mA LOOP POWERED, DIN PANEL MOUNT	$	2,776.30
MTL-PMA66	PIPE MOUNTING ADAPTER FOR MTL661	$	141.20
MTL647	I.S. TEXT - GRAPHICS DISPLAY	$	-
MTL646	I.S. TEXT - GRAPHICS DISPLAY	$	-
MTL-PIP66	PIPE MOUNTING KIT (MTL661)	$	264.60
MTL-PIP66-ABS	PIPE MOUNTING KIT (MTL661)	$	264.60
MTL-GAS66	GASKET (10 PK) FOR MTL 661/663	$	-
MTL-GAS660	GASKET (10 PK) FOR MTL 661/663	$	-

MTL- SURGE PROTECTION

Communications

MTL have a wide range of communication products for both Hazardous and Safe Area installation. These include managed and unmanaged ethernet switches, media convertors and RF I/O components. A sample selection from their extensive range is listed below.

MTL - PoEx™ Intrinsically Safe GiGa Bit Ethernet

MTL9471-ETG	INTRINSICALLY SAFE ETHERNET ISOLATOR	**$**	**4,524.10**
MTL9475-ETG	I.S. GIGABIT GATEWAY, SERIAL TO ETHERNET II	**$**	**13,732.70**
MTL9476-ETG	I.S. GIGABIT GATEWAY, SERIAL TO ETHERNET II	**$**	**13,732.70**
MTL9479-ETG	I.S. GIGABIT ETHERNET ISOLATOR IIB,10-30vdc SUPPLY	**$**	**13,977.60**
MTL-9478-ETG	I.S. GIGABIT ETHERNET ISOLATOR IIB,10-30vdc SUPPLY	**$**	**13,977.60**

For Intrinsically Safe options please contact us.

MTL - Surge Protection Devices

Type-II Power Protection Devices

MTL-ZD16108	ZONE DEFENDER PRO 80KA 415V 3PH 4W	**$**	**719.70**
MTL-ZD16208	ZONE DEFENDER SURGE 100kA 240/415V 3PH 4WIRE	**$**	**1,173.70**
MTL-ZD16408	ZONE DEFENDER PRO 160kA 415V 3PH 4W	**$**	**2,052.40**

Other sizes on request are available.

Zone Defender - 24VDC Power Protection Device

MTL-ZD14624	SURGE PROTECTOR, ZONE DEFENDER2, 24VDC 36kA, SURFACE MOUNT	**$**	**-**

MTL - MA Series AC Power Protection Devices

MA Series Surge Protection Devices are designed to provide immediate local protection against surges and electrical noise.As they are DIN rail mounted, they can be easily placed right beside individual items of electrical equipment.

MTL-MA05/D-2	AC POWER LINE PROTECTOR, 240VAC 5A 6.6KA, DIN MOUNT	**$**	**237.50**
MTL-MA10/D-2	AC POWER LINE PROTECTOR, 240VAC 10A 6.6KA, DIN MOUNT	**$**	**273.00**
MTL-MA15/D1/S1	AC POWER LINE PROTECTOR, 120VAC 15A 12KA, DIN MOUNT	**$**	**320.70**
MTL-MA15/D2/S1	AC POWER LINE PROTECTOR, 240VAC 15A 12KA, DIN MOUNT	**$**	**320.70**
MTL-MA30/D2/S1	AC POWER LINE PROTECTOR, 240VAC 30A 18KA, DIN MOUNT	**$**	**594.00**

MTL - SDM Series Data & Signal Protection Devices

MTL-SD32MXX-BDN	MODULAR SPD 32V NO LINE DISC, NO FUSE&LED, NO EARTH ISOLATION	**$**	**202.00**
MTL-SD32MXL-BDN	SPD PLUG & BASE 32V, LED, NO FUSE, DIRECT EARTH CON	**$**	**202.00**
MTL-SD32MFX-BDN	MODULAR SPD 32V,250mA FUSE, NO LED, NO EARTH ISOL	**$**	**210.90**
MTL-SD32MDX-BDN	MODULAR SPD 32V, LINK DISCONNECT, NO LED, NO EARTH ISOL	**$**	**210.90**
MTL-SD32MXX-HC-BCN	MODULAR SPD COMPLETE HIGH CURRENT 4A, NO SIGNAL.DISCONNECT	**$**	**236.60**

Replacement plug-in modules and bases are available, please contact us for P&A.

TP48 Series Data & Signal Protection Devices

TP48 data and signal protection units safeguard field-mounted process transmitters right at the unit. The TP48 simply screws into a conduit entry with no additional modification required.

MTL-TP48-I	SURGE PROTECTION UNIT 20mm ISO THREAD	**$**	**334.20**
MTL-TP-48-I-NDI	SURGE PROTECTION UNIT 20mm ISO THREAD CERTIFIED	**$**	**179.80**
MTL-TP48-N	SURGE PROTECTION UNIT 1/2inch NPT THREAD	**$**	**334.20**

MTL - INTRINSICALLY SAFE CONTROL PRODUCTS

Intrinsically Safe Barriers

For 30+ years MTL has been a world leader in intrinsic safety (IS) interfaces for hazardous areas, producing barriers, isolators and integrated IS solutions to help prevent explosions in process industries. Ongoing research and development and new industry partnerships are driving MTL into an ever-brighter future of new products and systems. the clever design includes a D12 bayonet adapter shaft for quick installation, a stainless steel housing that prevents cleaning fluids building up on any surface, and high resistance to cleaning agents and Barriers – MTL's compact and inexpensive shunt-diode IS Barriers are the simplest type of IS interface for protecting electrical circuits in hazardous areas. All MTL barriers are mounted and earthed in one operation, giving safe installation and the highest reliability for circuit protection.MTL barriers are available in several body types, all with a wide array of input-device options. Universal and custom backplanes

Intrinsically Safe Barriers 7700 series DIN rail mounted series of I.S shunt diode safety barriers

MTL7706+	1 CH BARRIER 28V +VE 300 OHM	**$**	**599.70**
MTL7707+	PROTECTED BARRIER SWITCH INPUTS DIN MT	**$**	**445.50**
MTL7710+	BARRIER 10V+VE 50 OHM	**$**	**288.90**
MTL7715+	1-CH 12V 119 OHM BARRIER	**$**	**288.90**
MTL7715P+	1-CH 15V 50 OHM BARRIER	**$**	**288.90**
MTL7722+	1 CHANNEL BARRIER 22V +VE 150 OHM	**$**	**287.70**
MTL7728-	28V -VE 300 OHM BARRIER	**$**	**261.10**
MTL7728+	28V 300 OHM BARRIER	**$**	**288.90**
MTL7728AC	BARRIER 28VAC 300 OHM	**$**	**384.30**
MTL7728P+	28V 234ohm DIN RAIL MT BARRIER	**$**	**309.70**
MTL7729P+	BARRIER 28V +VE 164 OHM IIB GASES	**$**	**309.70**
MTL7741	SWITCH/PROX INPUT - CHANGEOVER RELAY	**$**	**386.80**
MTL7742	SWITCH/PROX INPUT, OPEN COLLECTOR	**$**	**379.40**
MTL7743	2 CH SIWITCH/PROX INPUTS SPST RELAYS	**$**	**580.10**
MTL7744	2 CH SWITCH/PROX INPUTS OPEN COLLECTOR	**$**	**580.10**
MTL7745	SW/PROX INPUT WITH LFD	**$**	**615.60**
MTL7755AC	2 OR 3 WIRE RTS'S (FLOATING BRIDGE)	**$**	**462.70**
MTL7756AC	BARRIER RTD'S 3 WIRE	**$**	**630.30**
MTL7758+	1 CH BARRIER 7.5V +VE 10 OHM	**$**	**570.40**
MTL7760AC	BARRIER 2 CH THERMOCOUPLE SENSOR	**$**	**384.30**
MTL7761AC	2 CHANNEL BARRIER 9V +VE 90 OHM	**$**	**468.80**
MTL7761PAC	2 CHANNEL BARRIER	**$**	**474.90**
MTL7764+	2 CHANNEL 12v +VE 1 k OHM	**$**	**422.30**
MTL7764AC	SHUNT DIODE BARRIER 12V 1K OHM	**$**	**468.80**
MTL7765AC	2 CHANNEL 15V AC 100 OHM	**$**	**434.50**
MTL7766AC	2 CH 12VAC 150 OHM BARRIER	**$**	**468.80**
MTL7766PAC	2 CHANNEL BARRIER	**$**	**474.90**
MTL7767+	2 CHANNEL 15V+VE DIN RAIL MOUNT	**$**	**434.50**
MTL7778AC	IS BARRIER 24V +VE 650 OHM	**$**	**499.40**
MTL7787-	2 CHANNEL BARRIER 28V -VE 300 OHM	**$**	**395.30**
MTL7787+	2 CHANNEL BARRIER 28V +VE 300OHM	**$**	**395.30**
MTL7787P+	ZENER BARRIER 28V 234 OHM 119mA	**$**	**419.80**
MTL7788+	2 CH BARRIER 28V +VE 300 OHM	**$**	**454.10**
MTL7789+	2 CH 28V +VE 650OHM DIODE RETURN	**$**	**630.30**
MTL778AC	2-CH BARRIER 2WIRE AC/DC SYSTEMS	**$**	**-**
MTL7796-	ZENER BARRIER for VIBRATION PROBE(NEG-V)	**$**	**468.80**
MTL7796+	ZENER BARRIER FOR VIBRATION PROBES (+VE)	**$**	**468.80**
MTL7798	POWER FEED MODULE FOR 7700 SERIES	**$**	**419.80**
MTL7799	DUMMY BARRIER SPARES AND BUS FEED	**$**	**215.40**

Accessories

BPL7700	DOUBLE BACK BOX WHITE	**$**	**34.40**
ISP7000	ISOMETER, LC DISPLAY,FOR AC/DC SYSTEMS, AC 0-690V/DC 0-1000V (B91067030)	**$**	**9,520.00**
TGL7700	FREQUENCY 45-55Hz, 400V AC	**$**	**518.00**
TH7700	HOUR METER 48x24mm, NO RESET 240VAC	**$**	**73.00**
MTL-THR7000	NICKEL PLATED DIN RAIL 1m 7700 SERIES	**$**	**88.10**
ETL7000	ETHERNET SWITCH 9 PORT	**$**	**1,651.00**
IMB57	RUBBER RING FOR IX SERIES CAMERA	**$**	**13.17**
ERB57S	CONTACT BLOCK 1 x NO 1 x NC SNAP ACTION	**$**	**130.90**
ERB57O	CONTACT BLOCK 1 x NO 1 x NC SNAP ACTION	**$**	**130.90**
ETM7	THERMISTOR TRIP RELAY AUTO RES 24VAC	**$**	**198.26**

Ethernet Communications

MTL have a wide range of communication products for both Hazardous Area installation. These include managed ethernet switches, media c and WiFi components. A sample selection from their extensive range is listed below.

PoEx™ Intrinsically Safe GiGa Bit Ethernet

MTL-9471-ETG	I.S. GIGABIT GATEWAY, SERIAL TO ETHERNET II	**$**	**13,732.70**
MTL-9476-ETG	I.S. GIGABIT ETHERNET, 6 PORT MANAGED SWITCH	**$**	**16,671.60**
MTL-9478-ETG	I.S. GIGABIT ETHERNET ISOLATOR IIB,10-30vdc SUPPLY	**$**	**13,977.60**
MTL-9479-ETG-CSL	I.S. GIGABIT ETHERNET WLAN AP/BRIDGE 11B	**$**	**-**
MTL-9459-ETPLUS-SS	MTL RUGICAM IP CAMERA, SS ENCLOSURE	**$**	**-**
MTL9409-ET5	MTL CAMERA ETHERNET CAT6a CABLE, 5M. M12/8P - RJ45	**$**	**583.50**
MTL9409-PWR5	MTL CAMERA ETHERNET CAT6a CABLE, 5M. M12/8P - RJ45	**$**	**583.50**
MTL-9492-PS-PLUS	MTL I.S. POWER SUPPLY, Ex ia/ib IIB, 300mA,12.8VDC OUTPUT	**$**	**3,107.10**

CARREL TIMBER MOISTURE METERS

C901 Resistance Type Timber Moisture Meter

Self contained hand held resistance type instrument with provision for connection to a separate electrode. Supplied complete with heavy duty carry case with belt loop. Reliable and easy to use

Specifications:	8% to 40% moisture content
Operation	Single push button
Calibration ref	AS/NZS 1080.1:1997
Battery monitor	Automatic LED indicator
Electrodes	Built-in needle type + connection for separate external unit
Battery	1 x 9V heavy duty, IEC 6F22
Dimensions	165 x 80 x 40 mm
Range	225g

Stock range

C901	MOISTURE METER, ANALOGUE, WITH VINYL CASE, 8-40% RANGE	**$**	**539.30**

C400 Digital Resistive Timber Moisture Meter

An affordable digital resistance type moisture meter suitable for timber handlers,inspectors, tradesmen and home owners. This instrument is simple to use and is also capable of correcting readings for temperature and common NZ building timbers.Model C400-SR has selectable corrections for most common NZ capable of correcting readings for temperature and common NZ building and Australian timbers and can record up to 170 readings in non-volatile EEPROM memory.Stored data is downloaded via an RS232 serial port in either MContentR kiln management format or comma separated variable (CSV) format for importing into spreadsheets. Self contained digital hand held resistance type instrument

Range: **10% to 100%**
Reliable and easy to use
Sealed water resistant case
Long battery life, low battery indicator
Ambient temperature measurement on built in sensor
Automatic temperature correction of reading (selectable)
Scales for Standard, UT Radiata pine, H1 and H3 timbers
Optional external temperature probe
Supplied with either:
Built in 18mm pin electrodes model C400-P or BNC connector for external slide hammer electrode models C400-S & C400-SR

Specifications:	
Optimum accuracy	13% to 40% moisture content
Calibration ref	AS/NZS 1080.1:1997
Battery	1 x 9V heavy duty, IEC 6F22
Dimensions	130 x 67 x 25mm
Weight	160g

C400-P	DIGITAL MOISTURE METER,12mm PINS,10-100% CONTENT	**$**	**298.80**
C400-S	DIGITAL MOISTURE METER, BNC SOCKET,10-100% CONTENT	**$**	**298.80**
C400-SR-CSV	DIGITAL STORAGE MOISTURE METER WITH DOWNLOAD LEAD	**$**	**523.50**
C400-SR-LEAD	DOWN LOAD LEAD FOR C400-SR	**$**	**37.00**
C400-TEMP-PROBE	TEMPERATURE PROBE FOR C400 METER	**$**	**132.20**

C301 Capacitive-Type Timber Moisture Meter

Self contained hand held capacitive type instrument with digital readout. Non invasive, no external electrodes
Non invasive, no external electrodes. Continuous operation enabling large areas to be rapidly checked

Specifications:	
Range	0 to 200% moisture content
Material	Radiata pine, dry density 0.46 Tonnes/cub m
Display	4 digit LCD
Battery monitor	Digital display “Lo-b”
Battery	1 x 9V heavy duty, IEC 6F22
Dimensions	145 x 85 x 40mm
Weight	225g

C301	DIGITAL CAPACITIVE MOISTURE METER, 4 DIGIT DISPLAY	**$**	**495.80**

Timber Moisture Meter Kits & Cases

Moisture meters packaged with hard shell case and a choice of accessories for safe and convenient transport and storage of our range of timber moisture meters and accessories. Kits include a calibration test card (except C301-HC)

C301-HC	DIGITAL CAPACITIVE MOISTURE METER, 4 DIGIT DISPLAY, WITH HARD CARRY CASE	**$**	**575.10**
C400-P-HC	DIGITAL MOISTURE METER,12mm PINS,10-100% CONTENT, WITH HARD CARRY CASE	**$**	**475.30**
C400-S-SH-HC	DIGITAL MOISTURE METER, BNC SOCKET,10-100% CONTENT, SLIDE HAMMER+HARD CASE	**$**	**895.30**
C400-SR-CSV-SH-HC	DIGITAL STORAGE MOISTURE METER WITH DOWNLOAD LEAD+ SLIDING HAMMER+H/CASE	**$**	**1,011.30**
C901-HC	MOISTURE METER, ANALOGUE, WITH HARD CARRY CASE, 8-40% RANGE	**$**	**720.50**
C901-HC	MOISTURE METER, ANALOGUE, WITH HARD CARRY CASE, 8-40% RANGE	**$**	**720.50**
C901-SH-HC	MOISTURE METER, ANALOGUE, 8-40% RANGE, SLIDE HAMMER + HARD CARRY CASE	**$**	**1,107.60**
MM-HARD CASE	CARRY CASE FOR TIMBER MOISTURE METERS	**$**	**99.20**

CARREL TIMBER MOISTURE METERS AND ACCESSORIES

DampTester & WoodTester Moisture Indicators

Compact self contained hand held moisture testers.DampTester measures moisture in wood, wallboard or plaster. Tests to levels recommended by wallboard manufacturers. Measurements in wood based on standard AS/NZS1080 for H1 radiatapine.

Three LED indicators: **green = dry (below 16% moisture)**
yellow = damp (16% to 20% moisture)
red = wet (above 20% moisture)

WoodTester measures moisture in firewood.

Three LED indicators: **green = dry (below 20% moisture)**
yellow = damp (20% to 24% moisture)
red = wet (above 24% moisture)

DAMPTESTER	TIMBER MOISTURE INDICATOR	**$**	**148.10**
WOODTESTER	TIMBER MOISTURE INDICATOR	**$**	**148.10**

CSH102 Sliding Hammer

Uses Teflon insulated needles for gradient readings to a depth of 45mm

CSH102	SLIDING HAMMER ELECTRODE USED WITH C901 METER	**$**	**510.50**

Calibration Test Card

For checking resistance type timber moisture meter calibration.
Place the electrode needles or blades across the test pads, operate meter and compare reading with the figures shown between test pads

Two ranges	**13% and 24%**
Cal. ref	**AS/NZS1080. 1:2012**
Dimensions	**56 x 76 x 5mm**
Weight	**36g**

MM-TEST-CARD	CALIBRATED TEST CARD FOR TIMBER MOISTURE METERS	**$**	**97.80**

Calibration services

Standard tests for compliance with AS/NZS 1080. 1:1997 including issue of traceability certificate.
Brands other than Carrel Electrade calibrated at our discretion

Calibration services

MM-TEST-CERTIFICATE1	ISSUED AT TIME OF REPAIR OR CALIBRATION OF MOISTUREMETER	**$**	**28.20**
MM-TEST-CERTIFICATE2	ISSUED FROM CEL WORKSHOP	**$**	**59.60**

Spare parts

NEEDLES	NEEDLES FOR C901 ELECTRODE	**$**	**1.60**
PROBES-60MM	INSULATED 60mm PROBE FOR CSH102 SLIDING HAMMER	**$**	**26.40**
PROBES-45MM	INSULATED 45mm PROBE FOR CSH102 SLIDING HAMMER	**$**	**26.40**

VORTICE - EXTRACTOR FANS - DOMESTIC AND COMMERCIAL

Remaining stock available until sold out

PUNTO axial fans, with auto shutters, long-life (30,000 hours) ball bearing motors for continuous operation. Splashproof IPX4 protected

VM100/4A	FAN AUTO SHUTTERS 100mm 90cm/hr (11222)	**$**	**191.00**
VM120/5A	FAN AUTO SHUTTERS 120mm 175cm/hr (11322)	**$**	**199.40**
VM150/6A	FAN AUTO SHUTTERS 150mm 335cm/hr (11422)	**$**	**301.00**
VM150/6AT	FAN AUTO SHUTTERS, TIMER, 150mm 335cm/hr (11432)	**$**	**359.30**

PUNTO Filo range axial fans,with long-life (30,000 hours) ball bearing motors for continuous operation. Built-in backdraught shutter, splashproof IPX4 protected

VMF100/4	SLIM-LINE FAN, 100mm, 85cm/hr (11131)	**$**	**131.10**
VMF100/4T	SLIM-LINE FAN, W/TIMER, 100mm, 85cm/hr (11135)	**$**	**172.70**
VMF120/5	SLIM-LINE FAN, 120mm, 175cm/hr (11132)	**$**	**139.50**
VMF120/5T	SLIM-LINE FAN, W/TIMER, 120mm, 175cm/hr (11136)	**$**	**172.70**
VMF150/6	SLIM-LINE FAN, 150mm, 335cm/hr (11133)	**$**	**219.70**
VMF150/6T	SLIM-LINE FAN, W/TIMER, 150mm, 335cm/hr (11137)	**$**	**246.80**

Window and ceiling mounting kits for “Punto” range fans.

Allows installation of any “Punto” model fan in single and double glazed windows or ceilings

VMF100-KIT	CEILING KIT for 100mm SLIM-LINE FAN (22162)	**$**	**7.90**
VMF120-KIT	CEILING KIT for 120mm SLIM-LINE FAN (22163)	**$**	**7.90**
VMF150-KIT	CEILING KIT for 150mm SLIM-LINE FAN (22164)	**$**	**7.90**
VF120/5	WINDOW MOUNT KIT FOR VM120/5A FAN (22132)	**$**	**39.30**
VF150/6	WINDOW MOUNT KIT FOR VM150/6A FAN (22133)	**$**	**41.40**
VS100/4	CEILING KIT for M100/4A FAN (22154)	**$**	**18.10**
VS120/5	CEILING KIT for M120/5A FAN (22155)	**$**	**21.70**
VS150/6	CEILING KIT for M150/6A FAN (22156)	**$**	**24.00**
VGRILLE-100	100mm GRILLE for PUNTO & GHOST FAN (22140)	**$**	**32.70**
VGRILLE-120	120mm GRILLE for PUNTO & GHOST FAN (22141)	**$**	**35.60**
VGRILLE-150	150mm GRILLE for PUNTO & GHOST FAN (22142)	**$**	**37.90**

VARIO range axial fans, long-life (30,000 hours) ball bearing motors for continuous operation.

V150/6M	VARIO FAN 150mm, PULL CORD 380cuM/h (12614)	**$**	**165.20**
V230/9	VARIO WALL-WINDOW FAN 230mm, REVERSIBLE, 700cuM/hr (12455)	**$**	**499.20**
V230/9M	230mm VARIO FAN LL PULL CORD 700cuM/hr (12454)	**$**	**372.50**
V300/12	VARIO WALL-WINDOW FAN 300mm, REVERSIBLE,1650cuM/hr (12415)	**$**	**703.20**
VKIT-TE-230/9	ROOF MOUNTING KIT FOR VARIO 230/9 FAN	**$**	**152.80**
VKIT-SO-300/12	CEILING KIT for V300/12 FAN	**$**	**166.60**
VKIT-MU	WALL MOUNTING KIT for VARIO FAN 13018	**$**	**36.40**
VKIT-SA-230/9	DARKROOM COWL for VARIO 230/9 FAN	**$**	**490.10**

VORTICE - EXTRACTOR FANS

PUNTO Ghost range in-line axial fans, long-life (30,000 hours) ball bearing motors for continuous operation

VMG120/5	PUNTO GHOST FAN 120mm 160cum/hr capacity	$	107.10
VMGK100/4	IN-LINE FAN KIT 100mm c/w DUCT & GRILLES	$	137.20
VMGK100/4-T	IN-LINE FAN KIT 100mm, with TIMER c/w DUCT & GRILLES	$	148.10
VGHOST-BRKT-100	MTG BRACKET for 100mm GHOST FAN (22259)	$	16.70
VGHOST-BRKT-120	MTG BRACKET for 120mm GHOST FAN (22260)	$	16.70

LINEO mixed-flow in-line duct fans, domestic & commercial

VLINEO100-VO	IN LINE MIXED FLOW EXTRACT FAN 255cuM/hr (17144)	$	285.40
VLINEO125-VO	IN LINE MIXED FLOW EXTRACT FAN 365cuM/hr (17145)	$	306.40
VLINEO150-VO	IN LINE MIXED FLOW EXTRACT FAN 550cuM/hr (17146)	$	372.30
VLINEO200-VO	IN LINE MIXED FLOW EXTRACT FAN 1060cuM/h (17180)	$	412.90
VLINEO250-VO	IN LINE MIXED FLOW EXTRACT FAN 1350cuM/h (17181)	$	603.60
VLINEO315-VO	IN LINE MIXED FLOW EXTRACT FAN 2300cuM/h (17182)	$	878.60

QUADRO -Centrifugal duct fans for flush mounting, metre cable, IPX4

VQUADRO-MEDIO	DUCT FAN 2 SPEED 125/170 cuM/hr	$	302.10
VQUADRO-MEDIO-T	DUCT FAN 2 SP 125/170 cuM/hr with TIMER	$	349.40
VQUADRO-MICRO-100	DUCT FAN 2 SPEED 65/90 cuM/hr	$	302.10

VORTICE - Extractor Fans & Accessories

Chimney Fan

VTIRACOMINO	CHIMNEY EXTRACTOR FAN (15000)	**$**	**1,527.10**

Extractor Fans – Accessories

Grilles & Backdraught Shutters

VGRILLE-100	100mm GRILLE for PUNTO & GHOST FAN (22140)	**$**	**32.70**
VGRILLE-120	120mm GRILLE for PUNTO & GHOST FAN (22141)	**$**	**35.60**
VGRILLE-150	150mm GRILLE for PUNTO & GHOST FAN (22142)	**$**	**37.90**
VR10	10CM DIA GRAVITY SHUTTER	**$**	**23.90**
VR12	12CM DIA GRAVITY SHUTTER	**$**	**23.90**
VR15	15CM DIA GRAVITY SHUTTER	**$**	**23.90**
VVMG4	GREY FIXED GRILLE for 100mm FAN	**$**	**23.90**
VVMG4-WHITE	WHITE FIXED GRILLE for 100mm FAN	**$**	**23.90**
VVMG6	GREY FIXED GRILLE for 120/150mm FAN	**$**	**23.90**
VCA100-GRL	GRILLE for CA100 FAN	**$**	**27.30**
VCA150-GRL	GRILLE for VCA150 FAN	**$**	**32.50**
VCA200-GRL	GRILLE for VCA200 FAN	**$**	**34.10**
VCA250-GRL	GRILLE for CA250 FAN	**$**	**38.50**
VCA315-GRL	GRILLE for CA315 FAN	**$**	**42.60**
VLINEO100-SH	BACK DRAUGHT SHUTTER for LINEO 100 FAN	**$**	**112.60**
VLINEO150-SH	BACKDRAUGHT SHUTTER for LINEO 150 FAN	**$**	**134.70**
VLINEO200-SH	BACKDRAUGHT SHUTTER for LINEO200 FAN (22566)	**$**	**189.30**
VLINEO315-SH	BACKDRAUGHT SHUTTER for LINEO 315 FAN (22576)	**$**	**243.90**

Warranty Repair Policy

To remove any confusion and embarrassment for all parties, we would like to clarify our position regarding the warranty repair or replacement of products returned to our warehouses

It is at our discretion whether we repair or replace any item returned as faulty under warranty

We do not require or use GRA numbers.

Information required with goods returned are:

Proof of purchase:
The original Packing Slip/Invoice number is sufficient.

Details of the nature of the product failure/problem:
This will help speed up the assessment of the claim.
If possible, include a description of the application so that suitability for purpose can be determined.
We have an in-house workshop with qualified technicians able to inspect, evaluate and test the product returned.

If a replacement is required immediately, a **Purchase Order number must be supplied** to cover the relacement item.
The returned item will be assessed by our technician and evaluated as either faulty or damaged. If the item is faulty, it will be repaired, replaced or credited by mutual agreement.

If the item is not faulty but been damaged, the customer will be contacted and asked whether the item is to be repaired at customer cost or returned as is. If the item is to be repaired, a Purchase Order number must be supplied. The item will then be repaired and returned with an accompanying Packing Slip detailing the problem, the work undertaken and the cost involved.

If any application or major performance issues are found, the Area Representative should be called to directly assess the problem.

Product Safety Declaration

Carrel Electrade Ltd hereby certify that all products sold by them meet the safety requirements of the Electricity (Safety) Regulations 2010. In particular we certify that all productsmeet the requirements of clause 80 of these regulationswhich requires all fittingsand appliances to be electrically safe.

In addition to the above, under clause 83 of the regulations there is a requirement for "declared medium risk articles" not to be sold unless the supplier has made a "Supplier Declaration of Conformity" (SDoC). The only medium risk articles sold by Carrel Electrade

Extractor Fans
Fan Control Switches
Electric Heaters

SDoCs for these items are available from Carrel Electrade Ltd

Clause 84 of the Regulations states that "declared high risk articles" may not be sold unless they are approved by the Secretary. Carrel Electrade Ltd Does not sell any "High Risk articles"

Please note the following:

Under the regulations there is no requirement for a supplier to issue Supplier Declarations of Conformity unless it is for a delared medium risk article. Articles sold by Carrel Electrade Ltd that fall into the medium risk category are detailed above.

Carrel Electrade Ltd does not sell any High Risk Articles.

This declaration is sufficient evidence of the electrical safety of all other (neither medium or High risk) articles sold by Carrel Electrade Ltd
i.e. no SDoC is required under the regulations