




Features:

- Under current, over current protection for 1Ø system
- True RMS measurement
- 1Ø with inbuilt CT
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- One alarm relay with NC or NO operation selectable
- LCD without backlight
- DIN Rail Mount
- Password protection

Size: 35mm (Width)

Certifications:  RoHS

Technical Specifications

Display

Display	Liquid Crystal Display without backlight
Digits	3

Input Specifications

Functions	
Measurements	Current
Time Settings	Power ON delay, Trip time delay, Recovery time delay
Alarm Indications	Trip
Latching	Selectable
Reset	Auto / Manual (Selectable)
Electrical Connection	1Ø-2 wire
Auxiliary Supply	
Supply Voltage	230V AC; ±15%
Frequency	50 / 60Hz
VA Rating	18VA max.
CT Settings	
CT Primary	5A/10A - 999A (selectable)
CT Secondary	5A/10A (selectable)
Current Rating	
Measuring Range (RMS Value)	0 - 1.09kA
Trip Settings	
Under Current Protection	0 - 999A
Over Current Protection	0.5A - 1.09kA
Trip Time Settings	
Power ON Delay	0.5 - 99.9sec
Trip Time Delay	0 - 99.9sec
Recovery Time Delay	0 - 99.9sec (In auto reset mode)
Response Time	< 100ms

Hysteresis

Current	0.1 - 99.9A
Resolution	
Current	0.01, 0.1, 1A, 0.01kA (depends on CT setting)

Accuracy

Current	±1% of Setting ±2 digits
Time (Recovery Time Delay, Trip Time Delay, Power ON Delay)	±5% of Setting ± 100ms

Output Specifications

No. of Relays	1
Type of output	1C/O (SPDT)
Relay Rating	NO : 10A, 250V AC NC : 10A, 250V AC

LED Indication

LED1 (Green)	Power ON
LED2 (Red)	Trip

Environmental Specifications

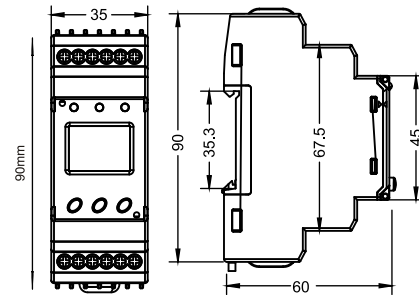
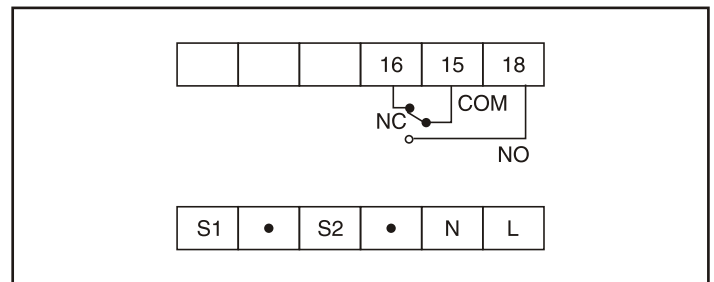
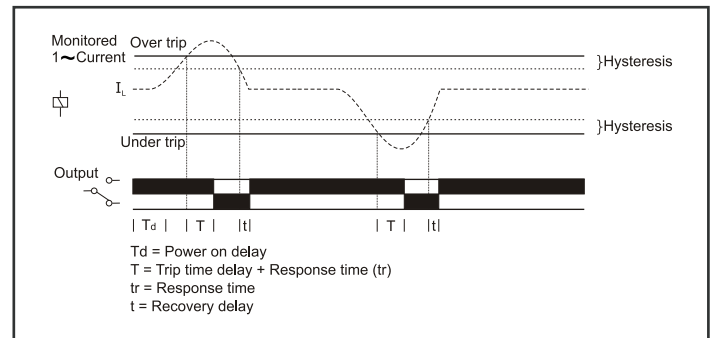
Temperature	Operating Temperature: 0°C to +50°C Storage Temperature : -20°C to +70°C
Humidity (non-condensing)	Upto 95% RH
Pollution Degree	2
Degree of protection	IP50 Faceplate IP30 Housing IP20 Terminals

Mechanical Specifications

No. of Push Button	3
Size	35mm (width)
Mounting	Din Rail Mount
Weight	115gms
Conductor cross section (Solid)	1 x (0.5 to 4) Sq mm
Conductor cross section sleeved (Stranded)	2 x (0.5 to 1.5) Sq mm 1 x (0.5 to 2.5) Sq mm
Screw tightening torque	0.5 Nm

EMC

Electromagnetic compatibility	IEC 61326-1
ESD Immunity: IEC 61000-4-2	Level III
Surge Immunity: IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility: IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility: IEC 61000-4-6	Level II
Voltage Dips and Interruption: IEC 61000-4-11	Dips: 0% residual voltage/1 cycle (Crit B.), 40% residual voltage/10 cycles 50 Hz / 12 cycles 60 Hz (Crit C) 70% residual voltage / 25 cycles 50 Hz / 30 cycles 60 Hz (Crit C) Interruptions: 0% residual voltage / 250 cycles 50 Hz / 300 cycles 60 Hz (Crit C)
Conducted Emissions	CISPR-11 & IEC 61000-6-3
Radiated Emissions	CISPR-11
Electrical Fast Transient: IEC 61000-4-4	Level 3.

Dimensions**Terminal Connections****Timing Diagram****Ordering Information**

Part No.	Supply Voltage	Certification
CPRD2M-1-1-230V-CE	230V AC	CE RoHS