

DIN 35mm

Features:

- 1Ø 2 Wire Input
- **Monitors Under Current & Over Current**
- **True RMS Measurement**
- Power ON Delay, Trip Time Delay and Recovery Time Delay
- **Adjustable Switching Hysteresis**
- Two Alarm Relay with NC or NO operation selectable
- **DIN Rail Mount**

Certifications : **C** €

Display Specifications

Туре	Digital
Display	Liquid Crystal Display with backlight
No of LED	1
No of Push Button	3

LED Indication Chart

Condition	'R1' LED	'R2' LED
Nominal Condition	OFF	OFF
Fault Condition (if Programming Relay1)	ON	OFF
Fault Condition (if Programming Relay2)	OFF	ON
Fault Condition (if Programming for both relay)	ON	ON

n	put Specifications	
	Functions	
	Measurements	Under current and Over 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
	CT Settings	
	CT Primary	1A / 5A - 999A (Selectable)
	CT Secondary	1A / 5A (Selectable)

Current Rating

Measuring Range (RMS Value) 0 - 1.19kA

Trip Settings

Under Current 0 - 999A

(0 - 100% of CT Primary Setting)

Over Current 0.5A - 1.19kA

(10 - 120% of CT Primary Setting)

Current Asymmetry 5.0 - 99.9% **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 <200ms

Hysteresis

Current 0.1 - 99.9A

Resolution

Current 0.01, 0.1, 1A, 0.01kA

(Depends of CT Setting)

Accuracy

±1% of Setting ±2 digits ±5% of Setting ± 200ms Current Time Setting Accuracy

Output Specifications

No. of Relays	2	
Type of Output (Relay 1)	1C/O (SPDT)	
Type of Output (Relay 2)	1C/O (SPDT)	
Relay Rating	NO / 5A, 250V AC NC / 3A, 250V AC	

Auxiliary Supply Specifications

Supply Voltage (Factory Set)	85 to 270V AC / DC	
Frequency	50 - 60Hz	
VA Rating	4VA max	

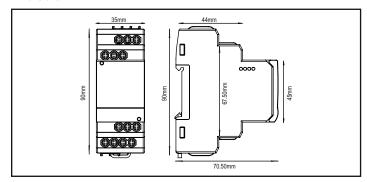
Environmental Specifications

Iemperature	Storage Temperature : -20 to +70°C
Humidity (non - condensing)	Upto 95% RH
Pollution Degree	
For PCB	2
For Product	3
Degree of Protection Device	IP20

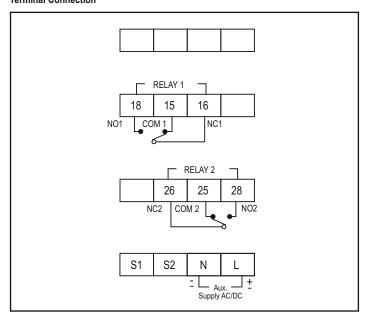
Mechanical Specifications

Mounting	DIN Rail	
Weight	150gms	
Screw tightening torque	0.5 NM	

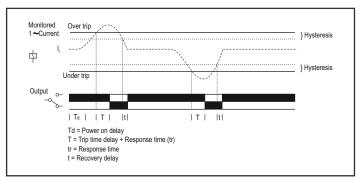
Dimensions



Terminal Connection



Timing Diagram



Compliance

Applicable EMI / EMC Standards		
Product Standard : IEC 60947-2		
Category	Reference Standards	Testing Level
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Brust	IEC 61000-4-4	Level-3
Electromagnetic Field	IEC 61000-4-3	Level-3
Surge	IEC 61000-4-5	Level-3
Conducted RF	IEC 61000-4-6	Level-2
Rated Power Frequency	IEC 61000-4-8	Level-4
Voltage Dip / Short Interruptions	IEC 61000-4-11	Level-3
Conducted Emissions	CISPR-11	Class-B
Radiated Emission	CISPR-11	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	

Ordering Information

Product Code	Supply Voltage	Certification
900CPR-1-BL-U-CE	85 to 270V AC / DC	C€

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