



FEATURES

- Under current, Over current protection
- Current asymmetry monitoring (for 3Ø System only)
- True RMS value measurement
- User selectable Power ON delay, Trip time delay and Recovery time
- Adjustable hysteresis
- One alarm relay with NC or NO operation selectable

SPECIFICATIONS

DISPLAY

3 Digits, LCD with backlight

ELECTRICAL CONNECTION

900CPR-1 : 1Ø-2 wire

900CPR-3 : 1Ø-2 wire, 3Ø-3 wire, 3Ø-4 wire

AUXILIARY SUPPLY

110V / 230V AC (factory set)

50 / 60Hz

POWER CONSUMPTION

15VA max

CT PRIMARY SETTING

1A / 5A-999A

CT SECONDARY SETTING

1A or 5A (Selectable)

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%

TIME SETTINGS

Power ON Delay : 0.5 - 99.9sec

Response Delay (Trip time delay) : 0 - 99.9sec

Recovery Time : 0 - 99.9sec

Response Time : < 200ms

MAXIMUM CURRENT INPUT

120% of CT Primary setting

HYSTERESIS

0.1 - 99.9A

RESOLUTION

0.01, 0.1, 1A, 0.01kA (Depends on CT setting)

ACCURACY

Current : ±1% of Setting, ±2 digits

Time (Recovery Time, Trip Time Delay,

Power ON Delay) : ±5% of setting ± 200ms

OUTPUT SPECIFICATIONS

Relay : 1C/O (SPDT)

RELAY RATING

NO (5A, 250V AC)

NC (3A, 250V AC)

LED INDICATION

LED(Red) : Trip

ENVIRONMENTAL SPECIFICATIONS

- Indoor use

- Altitude of up to 2000 meters

- Pollution degree II

Temperature : Operating : 0°C to 50°C

Storage : -20°C to 70°C

Humidity : Up to 95% RH, non-condensing

MECHANICAL SPECIFICATIONS

No. of Push Buttons : 3

Size : 35mm width

Mounting : 35mm Din Rail Mount

Wire Size (max) : 4 sq.mm

Screw tightening torque : 0.5 N-M

WEIGHT

CPR-1 : 130 gms.

CPR-3 : 150 gms.

SAFETY PRECAUTIONS

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

If there is physical damage to the unit then do not use it.

Read complete instructions prior to installation and operation of the unit.

WIRING GUIDELINES

WARNING

1. To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.

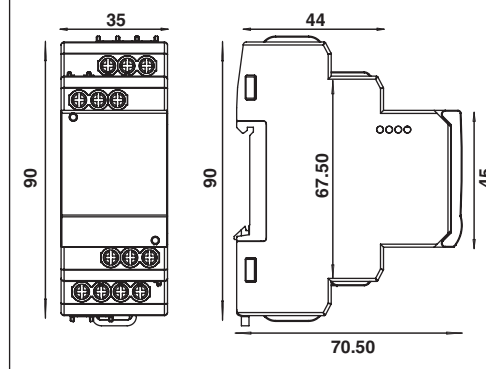
2. Wiring shall be done strictly according to the terminal layout with shortest connections. Confirm that all connections are correct.

CAUTION

1. To ensure the safe operation of unit, check the wiring and connections.

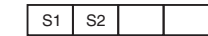
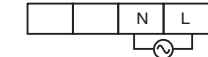
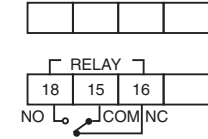
2. It is recommended to test the unit periodically to satisfy the regulations.

DIMENSIONS (All dimensions in mm)

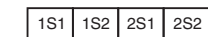
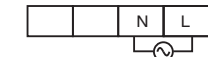
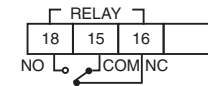
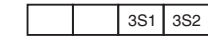


TERMINAL CONNECTIONS

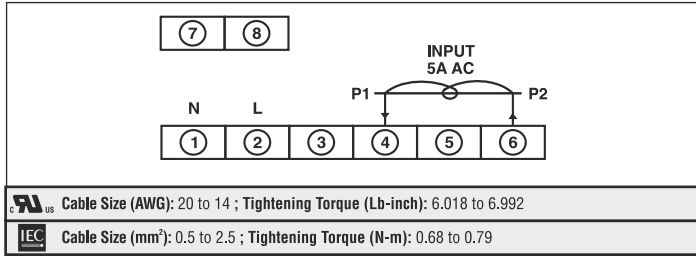
900CPR-1



900CPR-3



Terminal Connections



Ordering Information

Product Code.	Supply Voltage	
	240V AC	110V AC
MA202	■	

Note: CT Type - There is an internal CT with CT setting (5-4000A). For current input >5A, external CT is required.

Direct Type - Input is directly connected to the unit.

