

PROTIME



CR-1 Series Current Relays



Special Features

- Relays with Auto/Manual Reset, & test facility.
- Wireless interiors makes it highly rugged & error proof.
- Possible to use with DC aux. supply for protection systems.
- High accuracy standards calibrated with +/-5% Accuracy.
- Wide range available.
- Over current or Under Current Relays

Technical Data

- 1) supply Voltage AC-110V,230V,380V,415V @50Hz
 - DC-12V,24V
- 2) Permissible supply Voltage + 15%
- 3) Output Contacts 2 C/O Relay (potential free)
- 4) Switching duty 6A resistive at 250V AC or 24V DC
- 5) Electrical Life 10⁵operation at designed switching duty
- 6) Relay Status De-energised in normal conditions
- 7) Signal From CT- 5A Secondary/Shunt (for DC), CATIII
- 8) Range 20% to 120% = (1A to 6A) For 5A C.T.Secondary
- 9) Time Delay 0 10Sec (Settable)
- 10) Mounting on any standard mounting channel
- 11) Reset User selectable Auto/Manual Reset
- 12) Approximate Weight For CR-1= 150gm For CR-3= 350gm
- 13) Dimension CR-1:- 77mm(W) x 55mm(H) X 110mm(D)
 - CR-3:- 112mm(W) x 55mm(H) X 110mm(D)



OPERATION

The current relay monitors the current flowing through the circuit continuously through secondary of C. T which is in the current path. For 1 phase only one C. T. is required & for 3 phase one C.T. Per phase is required When current signal goes out of the range selected on the dial, the relay status will change. In case of 3 phase current relay, each phase current is sensed separately to provide protection. The relays are provided with time delays. For DC Current relays the signal Is taken from Shunt connected in (preferably Negative path) circuit.



