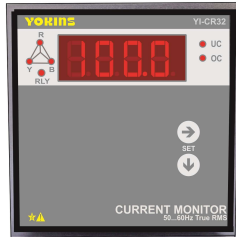


DIGITAL PANEL METER PROTECTION RELAYS

CURRENT MONITORING RELAY



YI-CR12
Single Phase



YI-CR32
Three Phase

Features

- Single Solution for monitoring current and protecting device from load faults.
- Auto / Manual Scroll Display (User selectable)
- SMPS, TRANSFORMER Power Supply
- Ideal for Protection of Industrial Motors individual led for each fault.
- All tripping parameters fully field Programmable
- Under current, Over current trips.
- TRMS Measurement
- 1 Rows of 4 Digit RED Seven Segment
- 3phase and single phase model available.
- RS 485 Port (5KV Isolated) (Optional)
- MODBUS RTU Protocol (Optional)
- One Relay Output (2 amps) available for contactor tripping.

SPECIFICATION

Functions

RMS Current input	: 50mA - 10A(CT set.) (Accuracy :- $\pm 0.5\%$ FS +1 dgt.)
Faceplate /Lens	: Polycarbonate Transparent
Case/Housing Material	: FR-ABS Black
Connectors /Terminal	: Nylon 66, 33%GF,Black/Brass
Mounting Clamps	: Sturdy, Moulded Glass filled nylon with screws.
Decimal Point	: Auto Scrolling
Fault Indication	: Error Code for all faults.
Dielectric Strength	: 2.5KV @50 Hz for 1 minute between Input -Auxiliary & Case - Terminals
Impulse Withstand	: 3.5.KV, 1.2/50 micro Second
Refresh Rate	: Per 8.0ms
Maximum Overload	: Current : 2 Times Continuous
Auxiliary Supply	: 150-300V AC, 45-270V AC /DC, 19-90V AC /DC

VA Burden (Typical)

Auxiliary	: <2.5 VA
Current Input	: <0.2 VA / Phase
Relay contact	: 2 AMPS , 250V AC POTENTIAL FREE

Metering Standard	: IEC 62053-21/22
Installation Category	: Cat II (IEC / EN61010 - 1)
Pollution	: Degree 2 (IEC / EN61010 - 1)

Environment

Calibration	: 27°C \pm 5°C
Operating	: 0° to 50°C, RH <70%
Storage	: -10° to 60°C, RH < 70%
Dielectric Strength	: 2.5 KV at 50 Hz for 1 mm
Insulation Resistance	: > 20 MOhms at 500 V DC

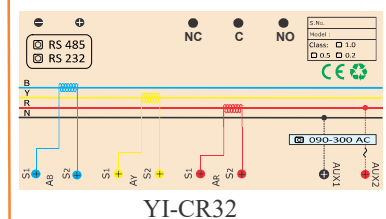
DIMENSIONS (MM)

MODEL	YI-CR12/CR32
FRONT	96 X 96
DEPTH (Behind Bezel)	39.5
Panel Cut -Out	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)

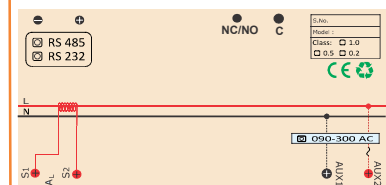
ORDERING INFORMATION

MODEL	DISPLAY & PROTECTION	ACCURACY CLASS	AUX SUPPLY
YI-CR32 (3PHASE)	3 PHASE CURRENTS UNDER-OVER	1.0 0.5	150-300V AC (TX Supply) 45-270V AC /DC 19-60V AC /DC
YI-CR12 (1PHASE)	1 PHASE CURRENT UNDER-OVER	1.0 0.5	150-300V AC (TX Supply) 45-270V AC /DC 19-60V AC /DC

TERMINAL CONNECTION



YI-CR32



YI-CR12

*WHILE ORDERING PLEASE MENTION RANGE, CLASS & AUX SUPPLY & FOR BULK CUSTOMIZED INQUIRES PLEASE CONTACT SALES.