

EARTH LEAKAGE RELAY



MODEL : ELR



MODEL : ELR -D- DIN



MODEL :WOD - ELR

PRODUCT OVERVIEW:

Earth leakage relay is microcontroller based device, which measures the earth leakage current through CTs installed for sensing Earth leakage current. The Relay operates when the current exceeds the set value and persists for more than the set time delay for operation.

The CT secondary current is generally in mA for earth leakage current measurement.

CBCTs can be supplied with ID 35mm, 55mm and 100mm or as per customer's requirement.

Three models of Relay are available depending on the mounting arrangement and provision of display:

- ELR – Flush mounted with display
- ELR-D-DIN - Din Rail mounted with display
- WOD-ELR - Din Rail mounted w/o display

KEY BENEFITS :

- Protects the systems/equipment against Earth leakage.
- It helps in Earth leakage detection and isolation.

KEY FEATURES :

- Reliable microcontroller based device for earth leakage detection.
- Fast measurement and tripping within 100ms
- Adjustable current setting in % or Amps and adjustable time delay in seconds.
- Manual Reset
- Power ON & Trip indication
- Potential free output relay contact for Alarm/Trip
- ABS Enclosure

SPECIFICATIONS:

MODEL	ELR	ELR-D-DIN	WOD-ELR
Aux Supply	230/110VAC,50Hz	230/110VAC,50Hz	230/110VAC,50Hz
Display type	Single line 4 digit Seven segment	Single line 3 digit Seven segment	Without display
Current setting range	30 mA to 300 mA 80 mA to 750 mA 100 mA to 999 mA 0.1 A to 9.99A 1.0 A to 99.9A	30 mA to 300 mA 80 mA to 750 mA 100 mA to 999 mA 0.1 A to 9.99A 1.0 A to 99.9A	10% to 100% of rated current
Response Time	100 ms	100 ms	100 ms
Trip time delay	0.1 to 10.0 sec. Instantaneous at 0 setting	0.1 to 10.0 sec. Instantaneous at 0 setting	0.1 to 10.0 sec. Instantaneous at 0 setting
Output	5A (Resistive) one change over Relay output	5A (Resistive) one change over Relay output	5A (Resistive) one change over Relay output
Output type	Pulse or continuous signal	Pulse or continuous signal	Pulse or continuous signal
Dimension	96(L) X 96(W) X65(D) Flush mounted on Panel	75(L) X 52(W) X110(D) Din Rail mounted	48(L) X75(W) X80(D) Din Rail mounted
Operating Temperature	0 °C to 55 °C	0 °C to 55 °C	0 °C to 55 °C
Weight	Approx. 500 grams	Approx. 400 grams	Approx. 400 grams

CBCT ID: 35mm, 55mm, 100mm (As per requirement)

