

EARTH FAULT RELAY



MODEL : EFR



MODEL : EFR – D- DIN



MODEL :WOD - EFR

PRODUCT OVERVIEW:

Earth Fault relay is microcontroller based device, which measures the earth fault current through CTs installed for sensing Earth Fault current. The Relay operates when the current exceeds the set value and persists for more than the set time delay for operation. The CTs secondary can be either 1A or 5A (Protected class) and suitably connected for sensing Earth fault in Amperes.

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:

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

KEY BENEFITS :

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

KEY FEATURES :

- Reliable microcontroller based device for Earth fault 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	EFR	EFR-D-DIN	WOD-EFR
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	10% to 100% of rated current. 1A or 5A CT secondary current as per CT ratio	10% to 100% of rated current. 1A or 5A CT secondary current as per CT ratio	10% to 100% of rated current. 1A or 5A CT secondary current as per CT ratio
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)

