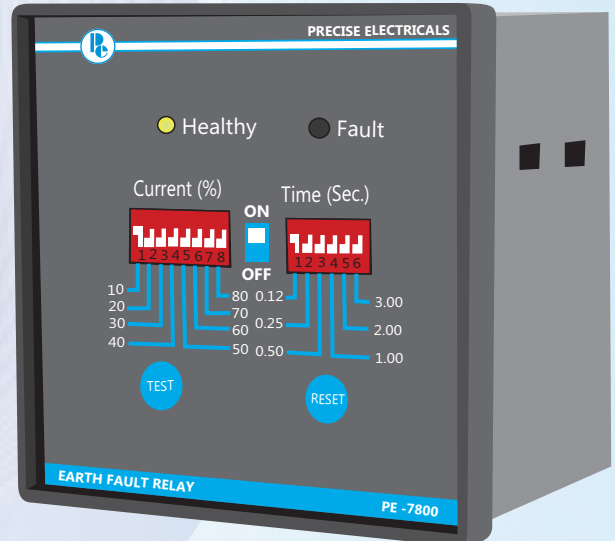


EARTH FAULT RELAY

The earth fault is sensed by measuring the neutral current. Normally in the three-phase system the vector sum of three-phase current is zero hence no current flows from neutral to earth. If a ground fault occurs the vector sum is not zero. If we can sense the current from neutral to earth we will get the residual current which we can say as earth fault current. Sensing this current calibrated we can compare with the set point to detect the earth's fault.

- **ORDER CODE**
PE-7800
- **DESCRIPTION**
Earth Fault Relay



GENERAL FEATURES

- ❖ RESET Switch
- ❖ TEST Switch

LED INDICATIONS

- ❖ **FAULT**
A Red LED Indicates the Fault or Trip Condition
- ❖ **HEALTHY**
A Green LED indicates the normal Condition

ELECTRICAL SPECIFICATIONS

- ❖ Input Auxiliary Supply 230 VAC (110 VAC & 415 VAC optional)
- ❖ Current Sensitivity Variable from 10 % to 80 % ,settable with DIP switches in three different models
- ❖ Trip Time From 0.15 Seconds to 3.00 seconds settable with DIP switches
- ❖ Relay Contacts Potential free NO-C-NC, 10Amps at 250 VAC contacts
- ❖ Trip Indication LED
- ❖ Accuracy $\pm 1\%$ tolerance

MECHANICAL SPECIFICATION

- ❖ Dimensions 96(L) x 96(W) x 60(D) mm
- ❖ Panel Cutout 91 mm X 91 mm
- ❖ Weight 360 gm