MULTISPAN

EARTH LEAKAGE RELAY

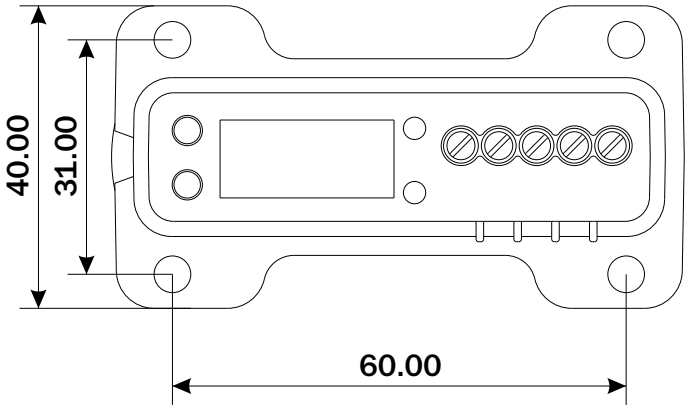
ECT 35D

APPLICATIONS

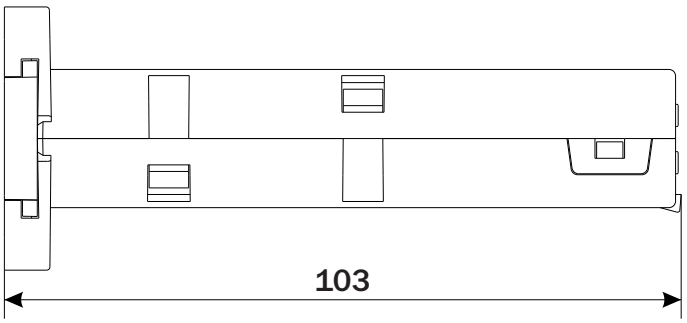
- Control & Relay Panel
- Original Equipment Manufactures (OEMs)
- Energy Management System
- DG Set Panels
- LT / HT Panel
- Power Control Center Panels
- Motor Control Center Panels

Mechanical Dimensions

Body Dimensions



FRONT VIEW

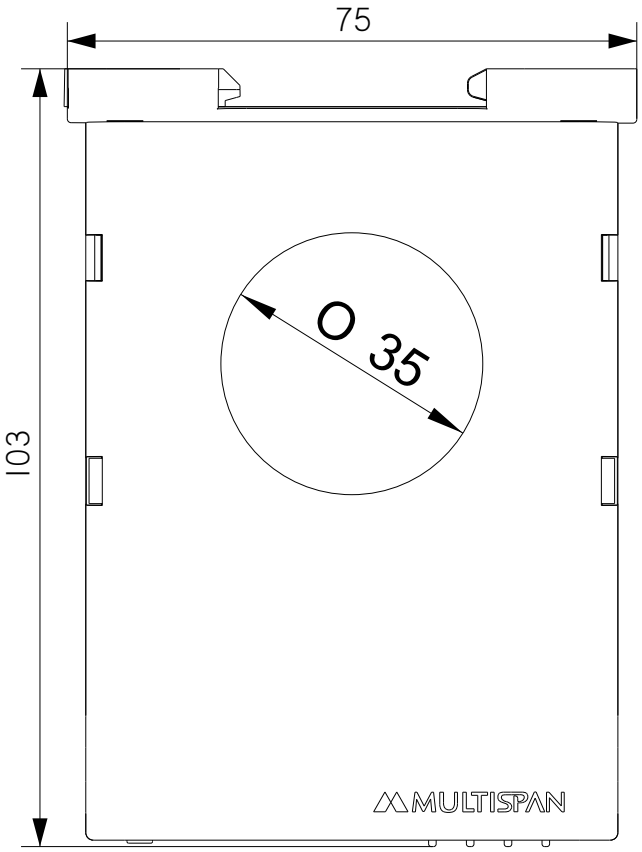


RIGHT SIDE VIEW

All dimensions are in mm

Connection Diagram

Inner CBCT Diameter



TECHNICAL DATA

Input Current	30mA to 3Amp AC In CBCT
Range	30mA to 3Amp
Output	1 Relay , 1 C/O (NO-C-NC)
Power Supply	100 to 270V AC/DC,50/60Hz
Accuracy	Class 1.0
Resolution	If Current in mA = 1 mA If Current in Amp = 0.01A
Certification	CE

Features

- Earth Leakage Current Monitoring In 1Ø - 2W, 3Ø-3W And 3Ø-4W System
- Test Mode Available.
- Auto/Manual Triping Reset Facility.
- Test/Trip Reset Via Front Key

Trip Setting

Leakage Current	30mA to 3Amp
Delay Time	0 to 9.99 Sec

Display, Led & Keys

Display	3 Digit 7 seg 0.28" Red LED Display
Key	TST, RST
LED Indication	Relay, Amp

Environmental Characteristics

Working Temperature	0 to 55°C
Storage Temperature	0 to 70°C
Relative Humidity	95% RH Non-condensing
Ingress Protection	IP 65 (Front Side)

Mechanical Characteristics

Mounting Type	Din Rail Mount
Dimension (HxWxD) mm	76 x 40 x 103
Material	Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	1
Wire Guage (AWG)	28-12
Weight (Approx) gms	Unpacked : 126 Packed : 144

Working logic

To Reset the Relay Contact after tripping two modes are given.

Auto Reset
Relay Fault mode = OFF
Trip Set Point = 2.5 Amp
Hysteresis = 0.5 Amp
Trip Delay = 5 Sec

The measured Earth Leakage value once it passes the Trip value , Trip delay Timer will start. And once the Trip Delay timer is over, and if the leakage value is above Set point , Trip will be triggered and relay contact will switch.
If Leakage value goes under the
Trip value and above the hysteresis value ; if during that time Trip Delay time gets over , then the instrument will stay in Healthy state Tripping will not occur