



EARTH LEAKAGE RELAY

ER-2K

APPLICATIONS

Control & Relay Panel

Energy Management System

DG Set Panels

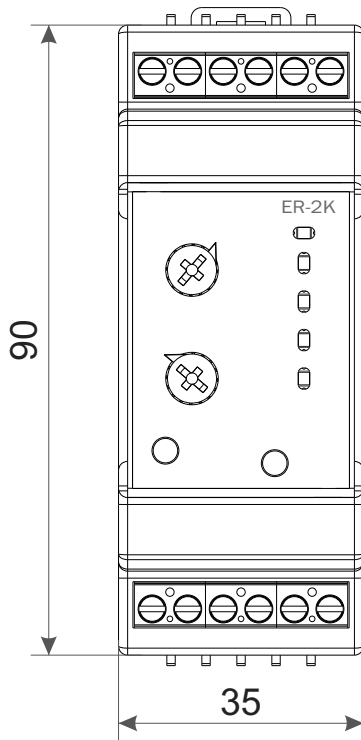
LT / HT Panel

Power Control Center Panels

Motor Control Center Panels

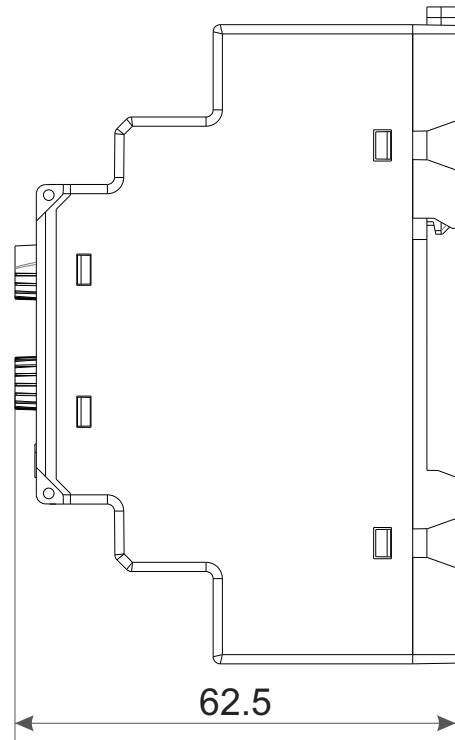
Mechanical Dimensions

Body Dimensions



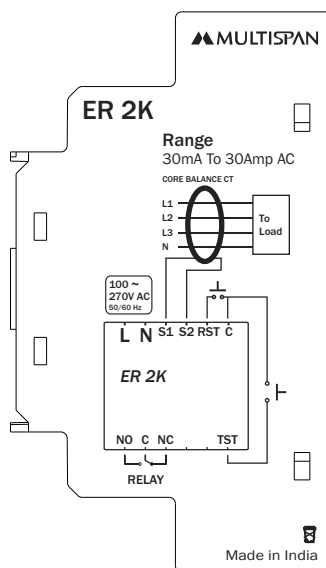
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Input Current	30mA to 30Amp From CBCT
Range	30mA to 30Amp
Output	1 Relay , 1 C/O (NO-C-NC)
Accuracy	Class 1.0
Certificate	 RoHS

Features

- Earth Leakage Current Monitoring In 1Ø - 2W, 3Ø-3W And 3Ø-4W System
- Test Mode Available.
- Manual Tripping Reset Facility.
- LED Indication (25%,50%,75%) , Relay , Power ON LED
- Test/Trip Reset Via Front Key / Remote

LED Indication & Keys

LED 1	Power ON
LED 2	Relay
LED 3	25% Earth Leakage LED
LED 4	50% Earth Leakage LED
LED 5	75% Earth Leakage LED
KEYS	TEST, RESET

Input

Current	30mA to 30Amp AC From CBCT
Display Current Range	30mA to 30Amp

Output

Relay	1 Relay 1C/O (NO-C-NC)
Rating	5A 230V AC (For Resistive Load)

Display LED & Keys

Display	Port 1	Set Leakage Ampere
	Port 2	Set Trip Delay Time
Key	TEST, RESET	
LED Indication	25%, 50%, 75%, Relay , Power ON LED	

Trip Setting

Leakage Current	30mA to 30Amp
Delay Time	0 to 10 Sec
Key	TEST, RESET
LED Indication	25%, 50%, 75%, Relay , Power ON LED

Accuracy

Class 1.0

Auxiliary Power Supply

Power Supply	100 to 270V AC, 50/60Hz
Burden	3VA

Environmental Characteristics

Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Relative Humidity	95% RH Non-condensing

Mechanical Characteristics

Mounting Type	Din Rail Mount	
Dimension (HxWxD) mm	90 x 35 x 62.5	
Material	Body	Polycarbonate (PC)
Terminal Screw Size	M3	
Screw Torque (N.m)	0.5	
Wire Guage (AWG)	28-12	
Weight (Approx) gms	Unpacked : 105 Packed : 135	