



# EARTH FAULT RELAY

EFR-63

## APPLICATIONS

Control & Relay Panel

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Energy Management System

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DG Set Panels

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LT / HT Panel

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Power Control Center Panels

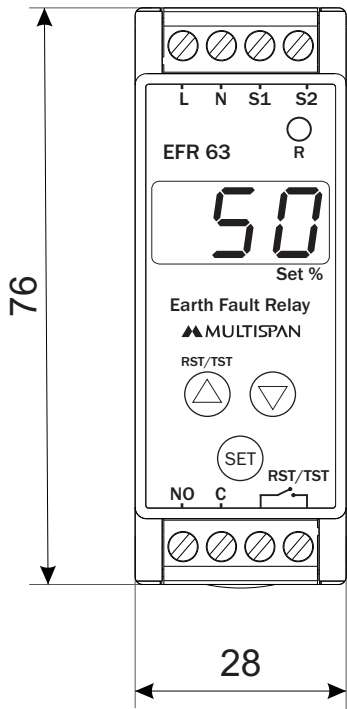
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Motor Control Center Panels

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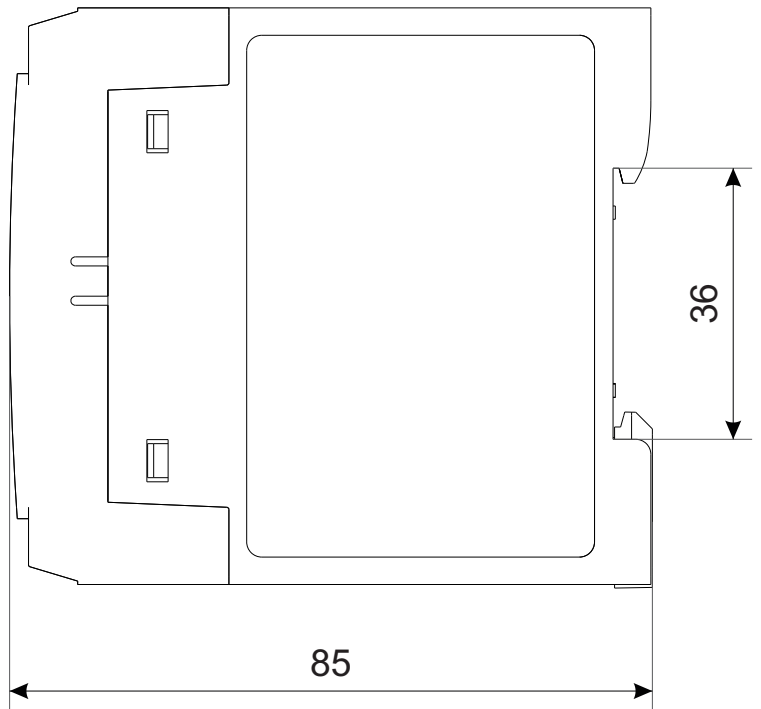
# Mechanical Dimensions

## Body Dimensions



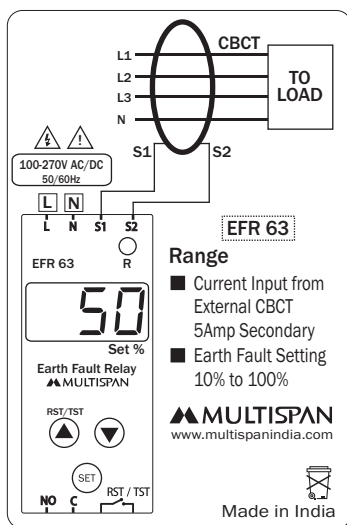
**FRONT VIEW**

All dimensions are in mm



**RIGHT SIDE VIEW**

# Connection Diagram



# TECHNICAL DATA

<b>Input Current</b>	5 Amp. AC From CBCT or CT
<b>Range</b>	10% To 100%
<b>Output</b>	1 Relay , 1 C/O (NO-C)
<b>Accuracy</b>	Class 1.0
<b>Certificate</b>	CE

## Features

- Earth Fault Current Monitoring In 1Ø - 2W, 3Ø-3W And 3Ø-4W System
- Test Mode Available.
- Auto/ Manual Tripping Reset Facility.
- LED Indication (Relay)
- Test/Trip Reset Via Front Key

## Input

<b>Current</b>	5 Amp. AC From CBCT or CT
<b>Display Current Range</b>	10% To 100%
<b>Resolution</b>	1%

## Display LED & Keys

<b>Display</b>	3 Digit 7 seg 0.36" Red LED Display
<b>Key</b>	SET, INC, DEC
<b>LED Indication</b>	Relay

## LED Indication & Keys

<b>LED 1</b>	Relay
<b>KEYS</b>	SET, INC, DEC

## Auxiliary Power Supply

<b>Power Supply</b>	100 to 270V AC/DC 50/60Hz
<b>Burden</b>	3VA

## Output

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

## Trip Setting

<b>Earth Fault Percentage</b>	10% To 100%
<b>Delay Time</b>	0.01 to 3.00 Sec
<b>LED Indication</b>	Relay

## Accuracy

Class 1.0

## Environmental Characteristics

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

## Mechanical Characteristics

<b>Mounting Type</b>	Din Rail Mount
<b>Dimension (HxWxD) mm</b>	76 X 28 X 85
<b>Material</b>	Body Polycarbonate (PC)
<b>Terminal Screw Size</b>	M3
<b>Screw Torque (N.m)</b>	0.5
<b>Wire Gauge (AWG)</b>	28-12
<b>Weight (Approx) gms</b>	Unpacked : 200 Packed : 255