



# EARTH TO NEUTRAL RELAY

EN-19N

## 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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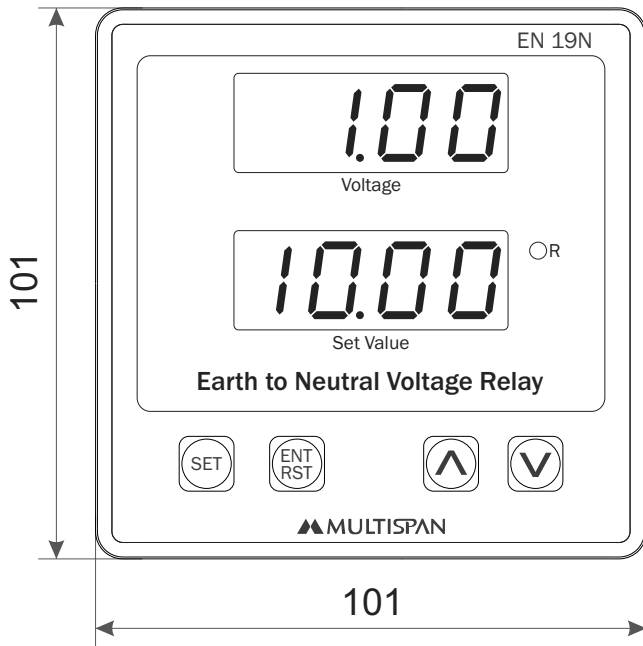
Power Control Center Panels

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Motor Control Center Panels

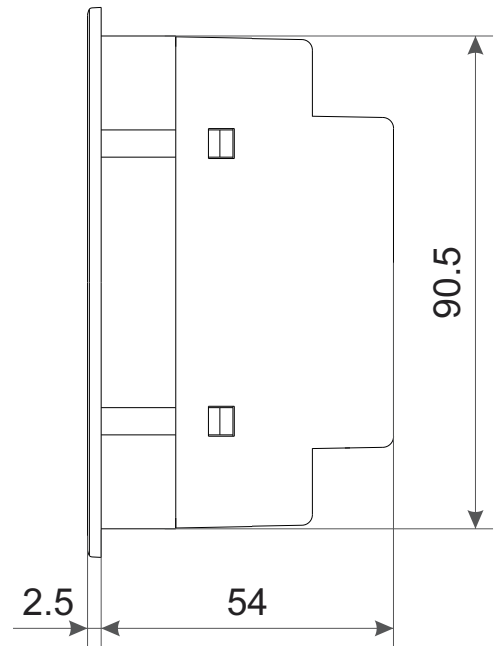
# Mechanical Dimensions

## Body Dimensions



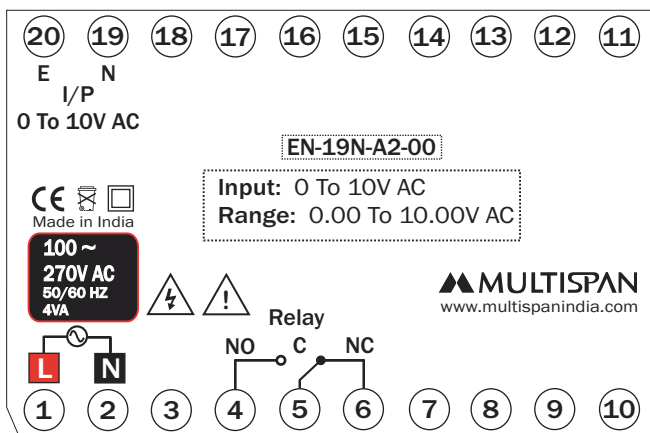
**FRONT VIEW**

All dimensions are in mm

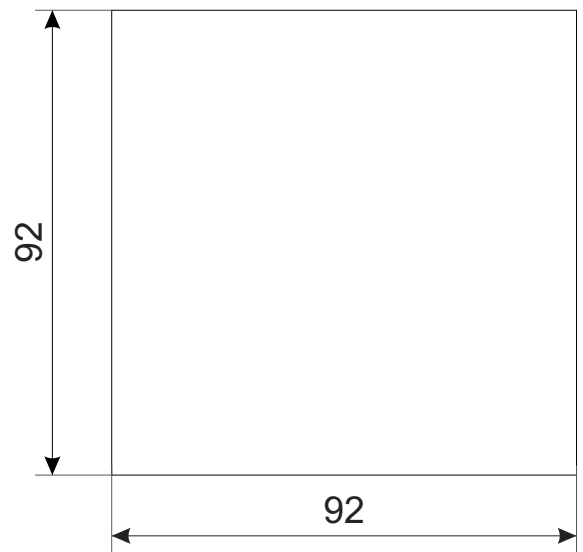


**RIGHT SIDE VIEW**


## Connection Diagram



## Panel Cutout



# TECHNICAL DATA

<b>Input Voltage</b>	0 to 10V AC
<b>Range</b>	0.00 to 10.00V AC
<b>Output</b>	1 Relay , 1 C/O (NO-C-NC)
<b>Accuracy</b>	Class 1.0
<b>Certificate</b>	

## Features

- Earth to Neutral Voltage Monitoring In 1Ø - 2W And 3Ø-4W System
- Auto/Manual Tripping Reset Facility.
- Trip Reset Via Front Key

## Output

<b>Relay</b>	1 Relay 1C/O (NO-C-NC)
<b>Rating</b>	10A 230V AC (For Resistive Load)

## Trip Setting

<b>Earth to Neutral Voltage</b>	0 to 10V AC
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## Input

<b>Voltage</b>	0 to 10V AC
<b>Display Voltage Range</b>	0.00 to 10.00V AC
<b>Resolution</b>	0.01V AC

## Accuracy

Class 1.0

## Display LED & Keys

<b>Display</b>	<b>Voltage</b>	4 Digit 7 seg. 0.56" Red LED Display
	<b>Set Value</b>	4 Digit 7 seg 0.56" White LED Display
<b>Key</b>	SET, UP, DOWN & ENT/RST	
<b>LED Indication</b>	Relay	

## Auxiliary Power Supply

<b>Power Supply</b>	100 to 270V AC,50/60Hz
<b>Burden</b>	4VA

### 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
<b>Enclosure Protection</b>	IP 65 ( Front Side )

### Mechanical Characteristics

<b>Mounting Type</b>	Panel Mount
<b>Dimension (HxWxD) mm</b>	101 x 101 x 54
<b>Panel Cutout (HxW) mm</b>	92 x 92
<b>Material</b>	Front Enclosure Polycarbonate (PC) ABS
<b>Terminal Screw Size</b>	M3.5
<b>Screw Torque (N.m)</b>	0.5
<b>Wire Gauge (AWG)</b>	26-14
<b>Weight (Approx) gms</b>	Unpacked : 200 Packed : 255
<b>Accessories</b>	1 Pair of Mounting Clamps