



VOLTAGE MONITORING RELAY

VMR-232

APPLICATIONS

DG Set Panels

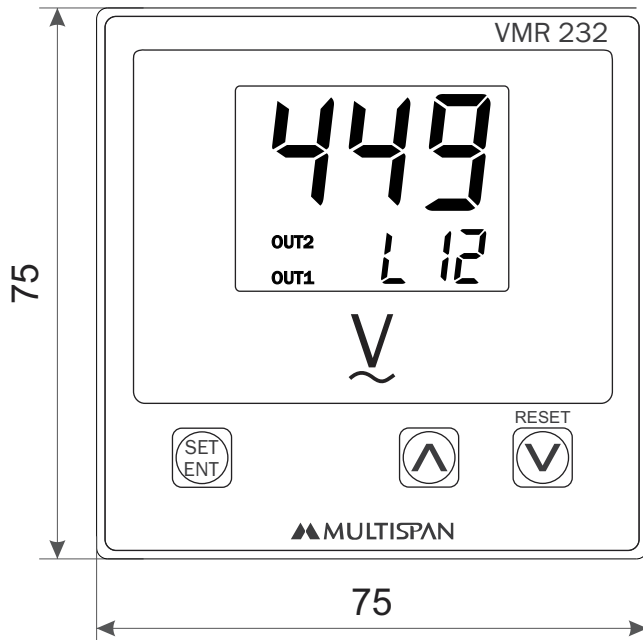
Motor Control Center Panels

Control Panels

Distribution Panels

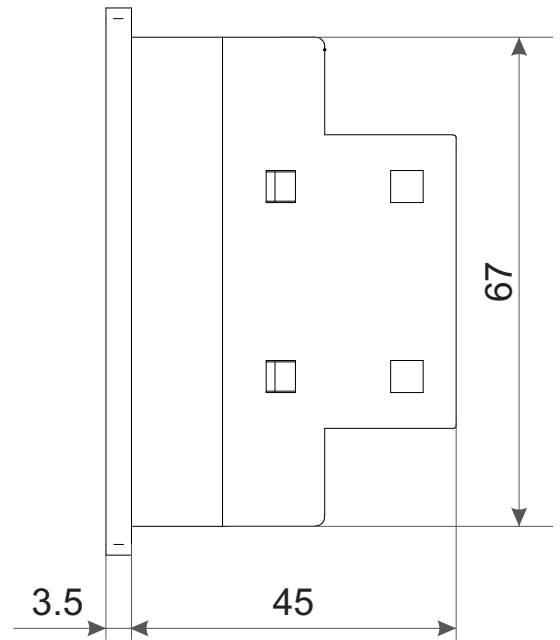
Mechanical Dimensions

Body Dimensions



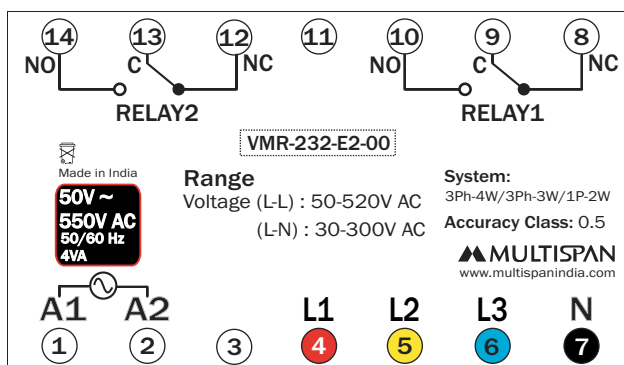
FRONT VIEW

All dimensions are in mm

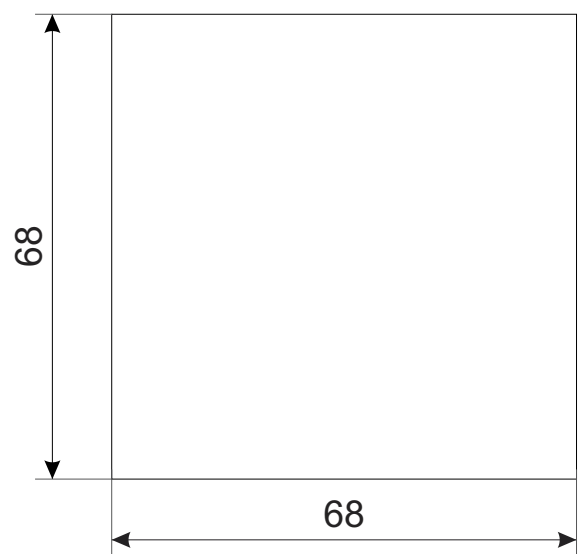


RIGHT SIDE VIEW

Connection Diagram



Panel Cutout



TECHNICAL DATA

Input Voltage	85 to 550 V AC (L-L) 3Ø-3W 50 to 330 V AC (L-N) 3Ø-4W / 1Ø-2W
Output	1 ST Relay 1 C/O, 10A, 230 V AC (Resistive load) 2 ND Relay 1 C/O, 5A, 230V AC (Optional)
Accuracy	Class 0.5
Power Supply	50 to 550V AC,50/60Hz
Certificate	CE

Features

- Auto/Manual/ZVR (Zero Value Reset) Reset Option
- Power Fail Fault Memory

Protection Available

- Over Voltage
- Under Voltage
- Over Frequency
- Under Frequency
- Asymmetry
- Phase Loss
- Phase Sequence

Input

Direct Voltage	50 To 520V AC (L-L) 50 TO 300V AC (L-N)
Resolution	0.1 Volt
Frequency	45.0 TO 65.0 Hz

Display LED & Keys

Display	Upper	3 digit, 7 segment, 0.63"
	Lower	3 digit, 7 segment, 0.30"
Key	SET/ENT, RESET, INC, DEC	
LED Indication	LINE-1 , LINE-2 , LINE-3, RELAY 1, RELAY 2 Fault IndicationLed: OV,UV,AS,PS,PL	

Meter type

3Ø-3W/3Ø-4W/1Ø-2W

Output

Relay	1 ST Relay with 1 C/O,10A 230 V AC On Resistive Load 2 ND Relay 1 C/O, 5A, 230V AC Optional
-------	--

Trip Setting

Under Voltage	85-520 V AC (3Ø-3W), 50-330 V AC (3Ø-4W)
Over Voltage	85-550 V AC (3Ø-3W), 50-330 V AC (3Ø-4W)
Under Frequency & Over Frequency	45.0 TO 65.0 Hz
Phase Asymmetry	2-30 %

Time Parameter

Power ON Delay Time	0 to 99 Seconds
Trip Delay Time	0 to 999 Seconds
Recovery Time	0 to 99 Seconds

Accuracy

Class 0.5 (Standard)

Auxiliary Power Supply

Power Supply	50 to 550V AC,50/60Hz
Burden	4VA

Environmental Characteristics

Operating Temperature	0 to 55 °C
Storage Temperature	0 to 70 °C
Relative Humidity	95% RH Non-condensing

Mechanical Characteristics

Mounting Type	Panel Mount
Dimension (HxWxD) mm	75 x 75 x 45
Panel Cutout (HxW) mm	68 x 68
Material	Front Enclosure
	Polycarbonate (PC) ABS
Terminal Screw Size	M3.5
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	26-14
Weight (Approx) gms	Unpacked : 200 Packed : 255
Accessories	1 Pair of Mounting Clamps