



VOLTAGE PROTECTION RELAY

VPR-33-02A

APPLICATIONS

DG Set Panels

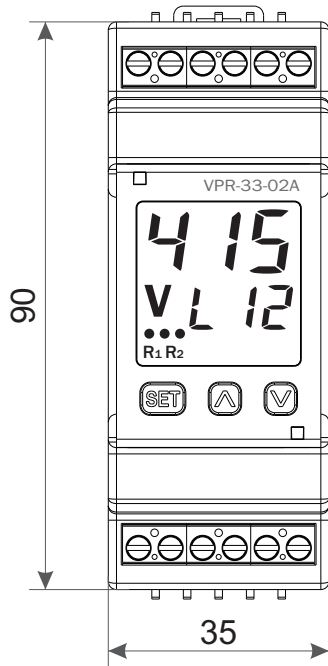
Motor Control Center Panels

Control Panels

Distribution Panels

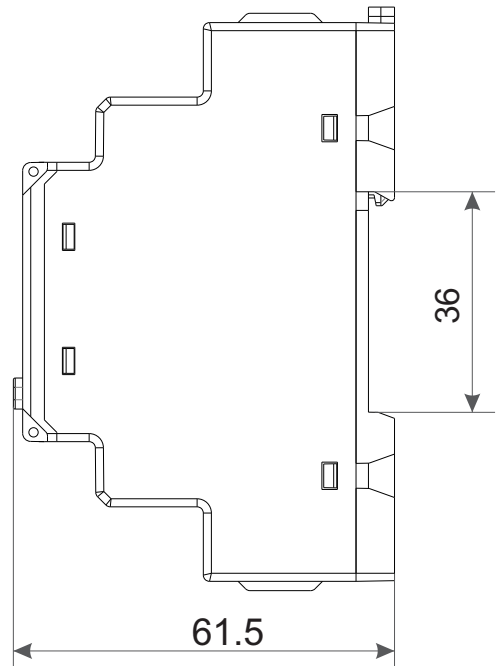
Mechanical Dimensions

Body Dimensions



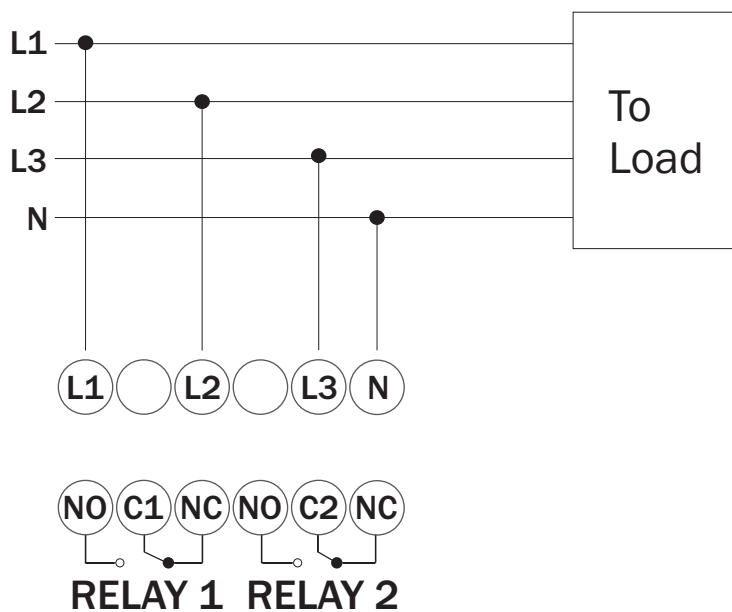
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Input Voltage	260 to 520 V AC (L-L) 3Ø-3W 160 to 300 V AC (L-N) 3Ø-4W/1Ø-2W
Output	1 ST Relay 1 C/O, 5A, 230 V AC (Resistive load) 2 ND Relay 1 C/O, 5A, 230V AC, 24V DC
Accuracy	Class 1.0

Features

- Auto/Manual (Reset Option)
- Last 5 Fault History Indicate
- Time parameter : Power on delay
- Trip delay
- Recovery time (Auto reset)

Protection Available

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

Input

Direct Voltage	260 To 520V (L-L) 160 TO 300V (L-N)
Resolution	1 Volt
Frequency	45.0 TO 65.0 Hz

Display LED & Keys

Display	0.4" Red LED, 3 digit UPPER 0.28" Red LED, 3 digit LOWER
Key	SET, RESET, INC, DEC

Meter type

3Ø-3W/3Ø-4W/1Ø-2W

Auxiliary Power Supply

Power Supply	Self Power
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Output

Relay

1ST Relay with 1 C/O,5A
230 V AC On Resistive Load
2nd Relay 1 C/O, 5A,
230V AC, 24V DC

Trip Setting

Under Voltage

260-520 V AC (3Ø-3W)
160-300 V AC (3Ø-4W),
1Ø-2W

Over Voltage

260-520 V AC (3Ø-3W)
160-300 V AC (3Ø-4W),
1Ø-2W

Under Frequency & Over Frequency

45.0 TO 65.0 Hz

Phase Asymmetry

2 to 30%

Hysteresis

0-99V

Time Parameter

Power ON Delay Time	0.0 to 99.9 Seconds
Trip Delay Time	0.0 to 999 Seconds
Recovery Time	0.0 to 99.9 Seconds

Accuracy

Class 1.0 (Standard)

Environmental Characteristics

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

Mechanical Characteristics

Mounting Type	Din Rail Mount
Dimension (HxWxD) mm	90 x 35 x 61.5
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	28-12
Weight (Approx) gms	Unpacked : 200 Packed : 255