



VOLTAGE PROTECTION DEVICE

V22-RYB

APPLICATIONS

Electrical Control Panel

Submersible Pump

Road Construction Panel

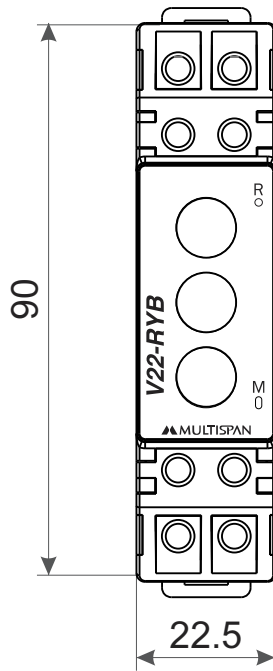
MCC Panel

Industrial Chiller And HVAC System

D.G. Set

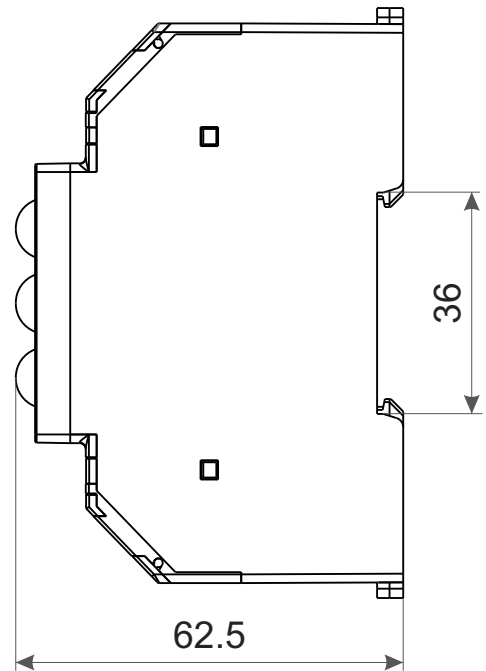
Mechanical Dimensions

Body Dimensions



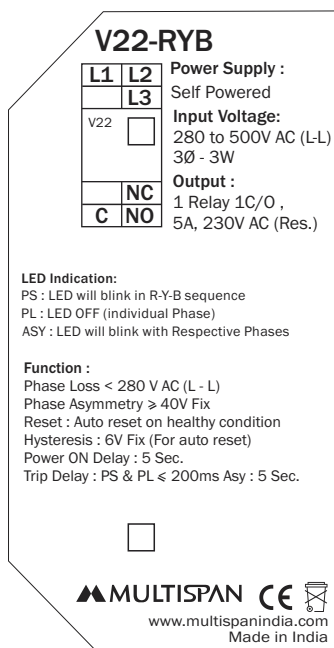
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Input Voltage	280 to 500 V AC (L-L)
Output	1 Relay 1 C/O, 5A, 230V AC (Resistive load)
Phase Loss	< 280V AC (L-L)
Phase Asymmetry	≥40V AC (L-L)
Hysteresis	6 V Fix (For Auto Reset)
Reset	Auto Reset on Healthy Condition
Power ON Delay	5 Second
Trip Delay	PS & PL ≤ 200ms Asy : 5 Sec.
Certificate	

Features

- Compact Size
- LED Indicate For Healthy / Faulty Status
- Self Powered

Output

Relay

1 Relay 1 C/O, 5A,
230V AC (Resistive load)

Protection Available

- ▶ Phase Asymmetry
- ▶ Phase Sequence
- ▶ Phase Loss

Environmental Characteristics

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

Input

Direct Voltage	280 to 500 V AC (L-L)
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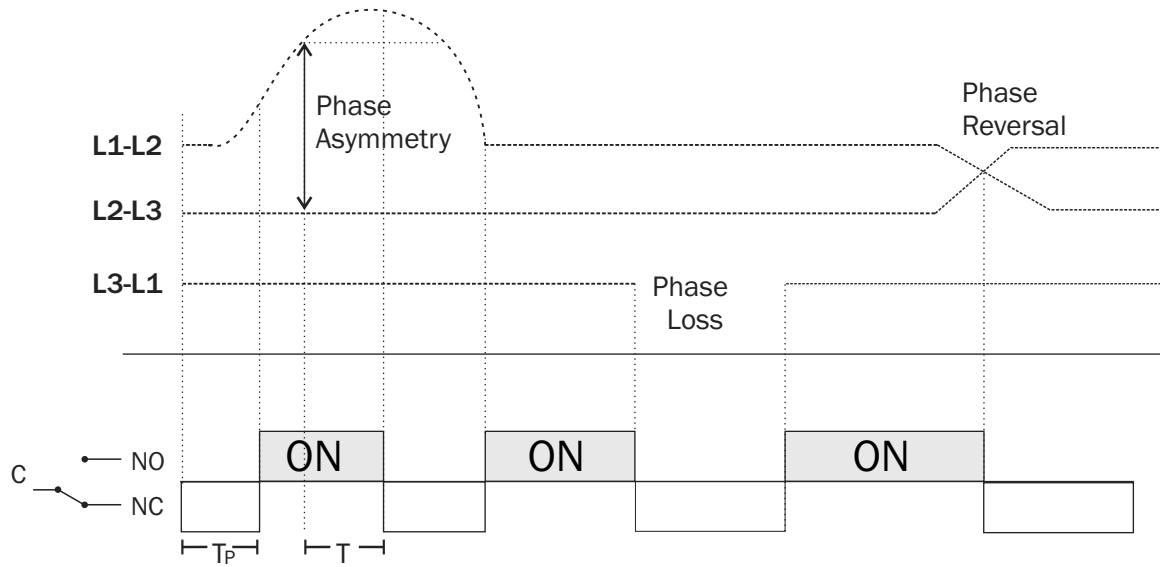
LED Indication

Phase Sequence : LED will blink in R-Y-B sequence
 Phase Loss : LED OFF (Individual Phase)
 Asymmetry : LED will blink with Respective Phases

Mechanical Characteristics

Mounting Type	Din Rail Mount
Dimension (HxWxD) mm	90 x 22.5 x 62.5
Material	Body
Terminal Screw Size	M3.5
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	26-14
Weight (Approx) gms	Unpacked : 200 Packed : 255

Control Function



Phase Loss < 280V AC (L-L)
Phase Asymmetry $\geq 40V$ AC (L-L)
Hysteresis 6 V Fix for (Auto Reset)

T_p = Power ON Delay (5 sec)
 T = Trip Delay (5 Sec) Asymmetry
 T = Trip Delay (<200ms) PL, PS