



VOLTAGE PROTECTION RELAY

VPR-17U

APPLICATIONS

Electrical LV panels

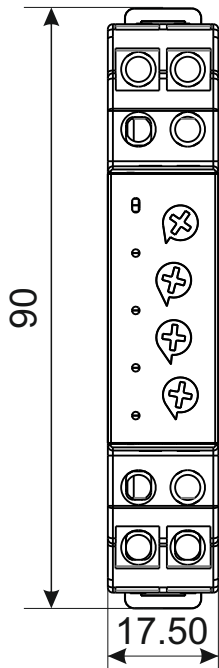
Distribution boxes

Automation panels

Special purpose machine

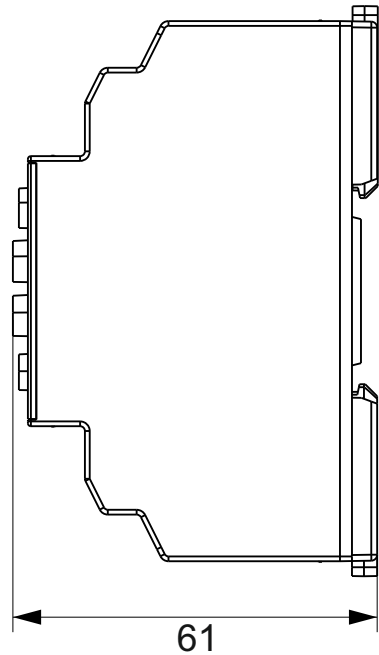
Air conditioning - HVAC

Mechanical Dimensions



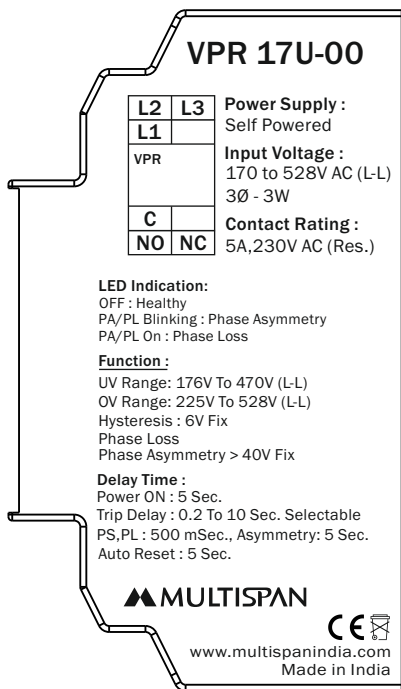
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Mounting	DIN Rail Mounting
Output	1Relay 1 C/O 5A 230V AC (Res.)
Supply Voltage	170 to 528V AC, 50/60 Hz, 3Ø3W
Certification	

FEATURES
• Auto Reset
Protection Available
• Under Voltage
• Over Voltage
• Phase Sequence
• Phase Loss
• Phase Asymmetry

LED Indication
• Under Voltage LED
• Over Voltage LED
• Phase Sequence LED
• Phase Loss : PL/PA LED ON
• Phase Asymmetry : PL/PA LED Blinking

SUPPLY VOLTAGE	
Input Voltage	170 to 528V AC,3Ø3W
Burden	2VA @ 415V AC Max

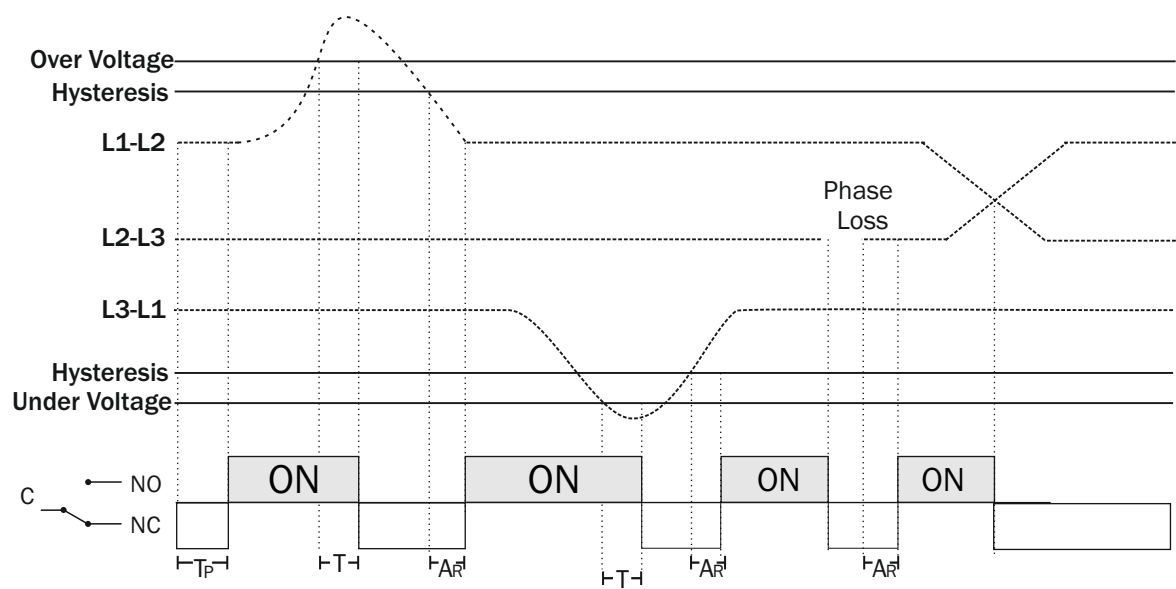
Environmental	
Operating Temperature	0 to 55 °C
Storage Temperature	0 to 70 °C
Himidity	95% RH Non-condensing

TRIPPING PARAMETER	
Rated Voltage	220 to 480V AC (L-L)
• Under Voltage	2% to 20% (176V To 470V) (L-L)
• Over Voltage	2% to 20% (225V To 528V) (L-L)
• Phase Sequence	500ms
• Phase Loss	500ms
• Phase Asymmetry	40V Fix
• Trip Delay	0.2 to 10 Sec

Dimensions	
Mounting	Din Rail Mounting
Bezel (HXW)	90 x 17.5 mm
Depth of Installation	61 mm

Note : Up to 10% across 480V over voltage tripping

CONTROL FUNCTION



Phase Loss	< 170V AC (L-L)	T_P = Power ON Delay (5 sec)
Phase Asymmetry	40V AC (L-L)	T = Trip Delay (0.2 to 10 sec)
Hysteresis	6 V	A_R = Auto Reset (5 sec)