



**VIPS 101  
3Ph 4W**



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## FEATURES :

- (1) Consistent Reliability with High Accuracy
- (2) Trip Setting Through Front Panel Potentiometer
- (3) Time Delay User Settable
- (4) LED Indication for Healthy & Faulty Status
- (5) Under Voltage / Over Voltage / Phase Reversal / Phase loss / Voltage asymmetry
- (6) Compact Size
- (7) SPDT Relay Output (5A Resistive)
- (8) Din Rail Mounting

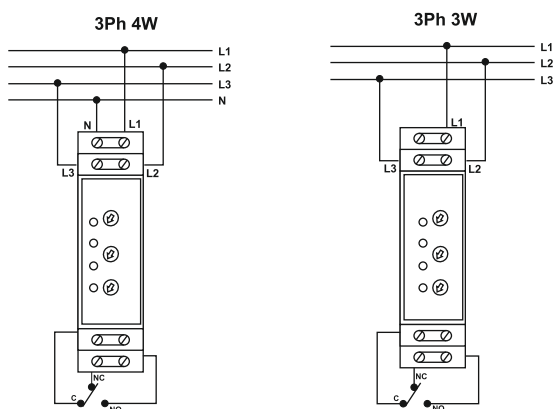
## APPLICATION :

Control Panel  
Feeder / Motor  
Generator  
Transformer  
Electrical Dist.  
Switchgear Distribution System  
Energy Management  
Equipment and Network Protection  
Over Load Protection

## LED INDICATION :

LED INDICATION		CONDITION
● R	Steady ON	Relay ON
● OV	Steady ON	Over Voltage
● OV	Slow Blink	Over Voltage Delay
● UV	Steady ON	Under Voltage
● UV	Slow Blink	Under Voltage Delay
● UV	Fast Blink	Phase Loss
● PR	Steady ON	Phase Reverse
● PR	Slow Blink	Unbalanced / Unbalanced Delay

## CONNECTION DIAGRAM :

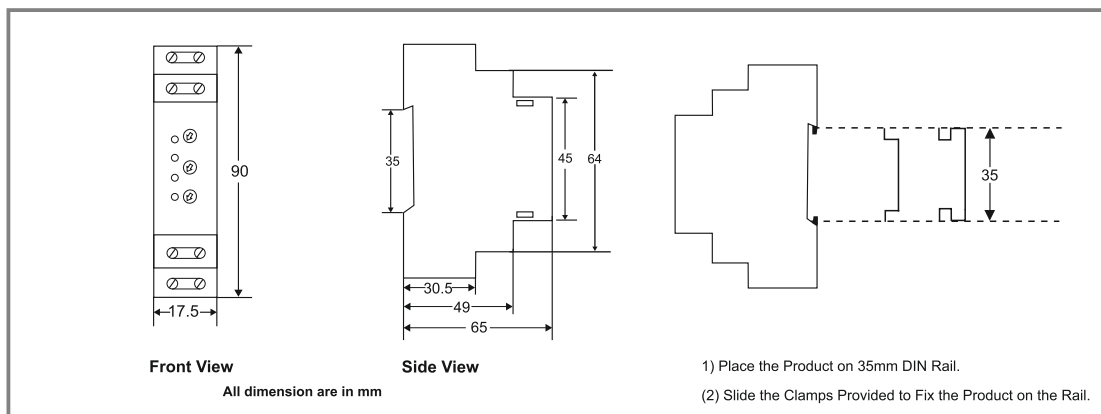


## TERMINAL DETAILS :

	0.6 N.m (6 Lb.in) Terminal Screw - M3X8
	1 x 0.8..4 mm <sup>2</sup> Solid / Stranded Wire
	End sealling ferrule-insulated 2.5sq.mm
AWG	1 x 18 to 10

ORDER CODE INFORMATION	
Model	Product Code
3P4W UVOVPR	VIPS 101
3P3W UVOVPR	VIPS 101

## MECHANICAL DIMENSION :



## SPECIFICATION :

	VIPS 101	VIPS 101
System	3 Phase 4 Wire	3 Phase 3 Wire
Aux. Supply	120-300VAC (L-N)	280 V-520 V AC
Burden on Supply	< 5 VA	< 22 VA
Power ON Delay	200mSec	200mSec
Delay	0.2 Sec. to 10 Sec.	0.2 Sec. to 10 Sec.
Set Point		
Over Voltage	240V-300V	425V-520V
Under Voltage	175V-235V	310V-405V
Voltage Asymmetry	30VAC	30VAC
Phase loss	<150 V	<260 V
Hystresis	10V± 2V of trip Setting	10V± 2V of trip Setting
Reset	Auto	Auto
Relay Contacts	1 Potential Free Contact (NO, C, NC), (De-Energise on Fault)	
Contact Rating	5 Amps / 230 VAC / 28 VAC	
Temperature	Operating : - 10°C to 55°C Storage : - 20°C to + 75°C	
Humidity	< 95% RH (non condensing)	
Dimension	90 x 18x64mm	90 x 45x75mm (L x B x H)
Mounting	Din (35 mm Rail) / 2 x m4 Screw	
Weight	55 gms	75 gms

## INSTALLMENT STEPS :



**Step 1 :**  
Open the lock from bottom side gently to open only one step of the lock.



**Step 2 :**  
Mount the article on din rail patti as shown in the image.

**Step 3 :**  
Press the lock gently from bottom side to lock & fit the article properly.

## SAFETY PRECAUTIONS :

All safety related conditions, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

If there is physical damage to the unit then do not use it.

Read complete instruction prior to installation and operation of the unit.

## WIRING GUIDELINES :

### Warning

1) To Prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.

2) Wiring shall be done strictly according to the Connection Details & Confirm.

## CAUTION :



1) To ensure the safe operation of unit, check the wiring and connections.

The document are subject to change without notification

**Tested By : Mr. Sumit**

**Date :**