



Features:

- ▶ Programmable:
 - Under/Over voltage
 - Under/Over Frequency
 - Phase reversal, Phase fail & Voltage Asymmetry
 - Power ON Delay & Auto Reset Time
- ▶ Configurable for 1 phase and 3 phase
- ▶ Individual faults can be deactivated as per system requirement
- ▶ Programmable delay and hysteresis
- ▶ Auto/manual reset option
- ▶ Consistent reliability with high accuracy
- ▶ 3 digit bright LED display
- ▶ LED indication for healthy and faulty status



Advantages:

- ▶ Protection of power assets
- ▶ Detection and isolation of faults
- ▶ Speedy tripping to avoid damage
- ▶ Maintain supply continuity of healthy circuit

Applications:

- ▶ Control Panel
- ▶ Feeder/Motor
- ▶ Generator
- ▶ Transformer
- ▶ Electrical Distribution

Display

Display	3 digits, 1 row 7 segment LED Display
Digit Height	0.56" (14.3 mm)
Display Range	999

Input Specification

System	1Ø-2 wire/3Ø-4 wire
Burden on supply	< 3VA
Delay	0.2 to 99 sec
Accuracy	Class 1

Measuring Parameters

- ▶ Voltage (line-neutral)
- ▶ Frequency

Set Points

- ▶ Voltage $\pm 25\%$ of nominal
- ▶ Hysteresis 1%-10%
- ▶ Voltage Asymmetry 0-99 V
- ▶ Frequency $\pm 10\text{Hz}$
- ▶ Scroll Time 5 seconds

Mechanical Specification

Dimension	90x45x75 mm (LxBxH)
Mounting	DIN Rail(35 mm) / 2xm4 screw
Weight	200 g

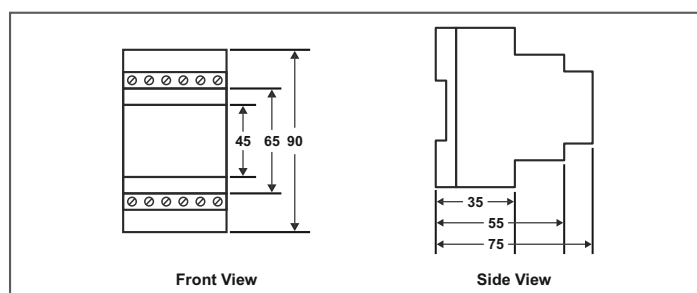
Environmental Specifications

Operating Temperature	-10°C to 70°C
Storage Temperature	-20°C to 55°C
Humidity	< 95 RH

Output Specifications

Relay Contacts	1 Potential free Contact (NO, C & NC)
De-energise	On trip
Contact rating	6A/230V AC/28V DC
Nominal Current	5A

Dimension



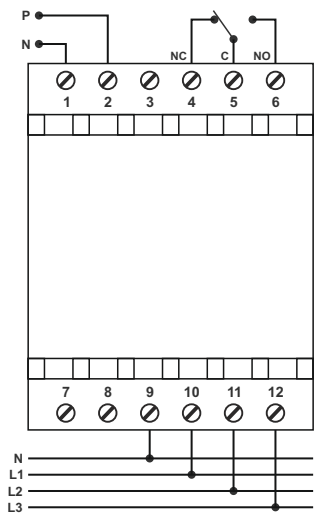
Applicable Standards

Radiated Emission	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Conducted Emission	IEC61000-6.3
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2
Surge Immunity Test	IEC61000-4.5

Safety Standards

Safety Standard	IEC61010-1
Pollution Degree	II
Installation Category	III
High Voltage Test	2 kV AC, 50Hz for 1 Minute Between Aux.& Measuring Inputs

Connection Diagram



Ordering Information

Ordering Code	Description
VIPS-VFT 02	Voltage Relay