

VOLTAGE / FREQUENCY RELAY





PROTECTION AVAILABLE

(1) Under / Over Voltage

(4) Phase Reversal

(5) Phase Loss

(2) Under / Over Frequency

(3) Voltage Asymmetry / Unbalance



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Front View

VIPS VFT-02

FEATURES

(1) Configurable for 3 & 1 Phase System

(2) Individual Faults can be deactivated as per system requirement

(3) Programmable Delay & Hysteresis

(4) Auto / Manual Reset option

(5) Consistent reliability with high accuracy

(6) 3 Digit Bright Display to indicate voltage & frequency

(7) LED Indication for healthy / faulty status

PARAMETER DISPLAYED

- ✓ RN Volts
- ✓ YN Volts
- ✓ BN Volts
- √ Hz
- ✓ Scroll Time 5 sec.

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CONNECTION DETAILS

Side View





PROGRAMMING

<u> </u>	P	To enter into Select Phase		
		To change phase 3 or 1		
[[] -]]		Р	To enter into Over Voltage	
	DEE		To Select Lise / Off	
			To shange value of ever voltage	
			To optor into Under Voltago	
	UFF		Io Select Use / Uff	
UNL		▲ / ▼	lo change value of under voltage	
		P	To enter into Asymmetry Voltage	
<u>5</u>	<u>UFF</u>	▲ / ▼	To Select Use / Off	
L URL		▲ / ▼	To change value of asymmetry voltage	
× A				
	P		To enter into Trip Time	
	A / V	To change value of asymmetry (0.2 - 99 sec)		
¥ A				
	P	To enter into Hysteresis		
HYS				
		to change value of hysteresis (0 - 50 V)		
		Р	To enter into Phase Reversal (3Ø only)	
<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	OFF	▲ / ▼	To select Use / Off	
¥ A				
PHF		Ρ	To enter into Phase Failure (3Ø only)	
	DEE		To select Use / Off	
$\left[1 - E \right]$		Р	To enter into Under Frequency	
	nee		To Select Lise / Off	
			To change value of under frequency	
		▲/└		
			To enter into Over Frequency	
			To Collect Line / Off	
	UFF			
UNL		▲ / ▼	to change value of over frequency	
× A		- · ·		
FFE	Ρ	Io enter into Auto Reset Time (only for auto Tripping)		
	▲ / ▼	To change value of auto reset time (0 - 999 sec)		
¥ A				
[[0]		P	To enter into Trip Type	
	But		To select manual / auto tripping	
	<u></u>			
		To enter into Auto Reset Time (only for auto Trinsian)		
8- <i>E</i>		To change value of auto reset time (0 - 999 sec)		
	▲/▼			
Y A				
POd	Р	To enter into Power ON Delay To change value of power on delay		

SPECIFICATION

Aux. Supply Burden	: 3 Phase 4 Wire / 1 Phase System 90-270 VAC/DC, 50/60 Hz : < 3 VA		
Delay	: 0.2 Sec. to 99 Sec.		
Relay Contacts	: 2 Potential Free Contact (NO, C & NC) (De-Energise on Trip)		
Contact Rating	: 5 Amps / 230 VAC / 28 VDC		
Set Point	: Voltage : 180 - 300 V Hysteresis :0 - 50 V Voltage Asymmetry : 0 - 50 V Hz. : 45 - 65 Hz		
Temp	: -20°C to +55°C		
Humidity	: < 95% RH (non condensing)		
Dimension	: 90 x 45 x 75 mm (L x B x H)		
Mounting	: Din (35 mm Rail) / 2 x m4 Screw		
Weight	: 200 gms		

▲ SAFETY PRECAUTIONS :

All safety related codifications, 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 terminal layout with shortest connection. Conform that all connection are correct.

△ CAUTION :



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

** Connect Fuse = 0.25 A

PH.



PROGRAMMING MENU

