



VERITEK

VOLTAGE / FREQUENCY RELAY

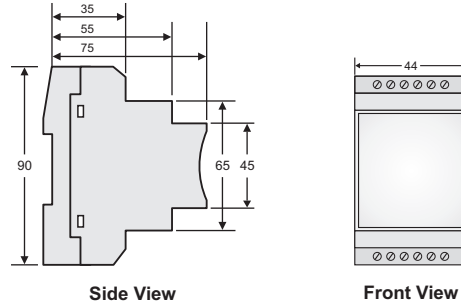


VIPS VFT-02

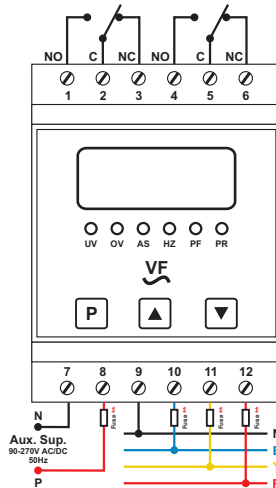
PROTECTION AVAILABLE

- (1) Under / Over Voltage
- (2) Under / Over Frequency
- (3) Voltage Asymmetry / Unbalance
- (4) Phase Reversal
- (5) Phase Loss
- (6) Power ON Delay

MECHANICAL DIMENSION



CONNECTION DETAILS



** Connect Fuse = 0.25 A

PROGRAMMING MENU

PHR	Phase	u-F	Under Frequency
Q-U	Over Voltage	Q-F	Over Frequency
u-U	Under Voltage	t-t	Tripping Time
A-S	Asymmetry Voltage	COt	Selection Trip Type
t-t	Trip Time (asymmetry)	MAN	Manual Tripping
HYS	Hysteresis	Aut	Auto Tripping
PHr	Phase Reversal (3Ø Only)	R-t	Auto Reset Time (auto trip only)
PHF	Phase Failure (3Ø Only)	POd	Power On Delay

PROGRAMMING

PHR	P	To enter into Select Phase
▲ / ▼		To change phase 3 or 1
Q-U	P	To enter into Over Voltage
uSE / OFF	▲ / ▼	To Select Use / Off
uRL	▲ / ▼	To change value of over voltage
u-U	P	To enter into Under Voltage
uSE / OFF	▲ / ▼	To Select Use / Off
uRL	▲ / ▼	To change value of under voltage
A-S	P	To enter into Asymmetry Voltage
uSE / OFF	▲ / ▼	To Select Use / Off
uRL	▲ / ▼	To change value of asymmetry voltage
t-t	P	To enter into Trip Time
▲ / ▼		To change value of asymmetry (0.2 - 99 sec)
HYS	P	To enter into Hysteresis
▲ / ▼		To change value of hysteresis (0 - 50 V)
PHr	P	To enter into Phase Reversal (3Ø only)
uSE / OFF	▲ / ▼	To select Use / Off
PHF	P	To enter into Phase Failure (3Ø only)
uSE / OFF	▲ / ▼	To select Use / Off
u-F	P	To enter into Under Frequency
uSE / OFF	▲ / ▼	To Select Use / Off
uRL	▲ / ▼	To change value of under frequency
Q-F	P	To enter into Over Frequency
uSE / OFF	▲ / ▼	To Select Use / Off
uRL	▲ / ▼	To change value of over frequency
t-t	P	To enter into Auto Reset Time (only for auto Tripping)
▲ / ▼		To change value of auto reset time (0 - 999 sec)
COt	P	To enter into Trip Type
MAN / Aut	▲ / ▼	To select manual / auto tripping
R-t	P	To enter into Auto Reset Time (only for auto Tripping)
▲ / ▼		To change value of auto reset time (0 - 999 sec)
POd	P	To enter into Power ON Delay
▲ / ▼		To change value of power on delay

SPECIFICATION

- Aux. Supply** : 3 Phase 4 Wire / 1 Phase System
90-270 VAC/DC, 50/60 Hz
- Burden** : < 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.

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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