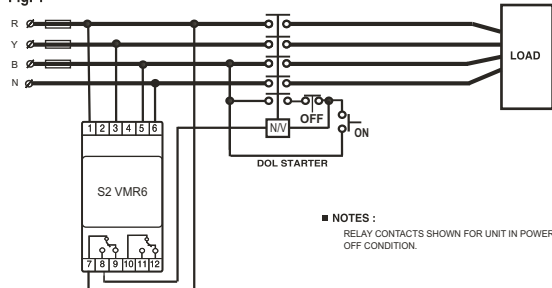




ELECTRICAL CONNECTION IN POWER & CONTROL WIRING

Fig. 1



## PHASE FAILURE WITH UV/OV RELAY

- \* Under voltage condition, \* Over voltage condition, \* Unbalance, \* Phase failure, \* Phase reversal, \* Neutral Fail condition.

### SPECIFICATIONS

PARAMETER	DESCRIPTION
1) System Supply Voltage	: 415 V AC $\pm 20\%$ (FIXED)
2) Aux. Supply	: In-Built.
3) Frequency	: 48 TO 63 HZ.
4) Output Relay Contacts	: 2 CO.
5) Output Contacts Rating	: 5 AMP, 240VAC [Resistive]
6) Trip setting (volts)	: Phase sequence- Yes : Phase unbalance- 94V $\pm 6$ V ph-ph (fixed)
7) Under Voltage Trip Setting For 380-440 VAC For 220-240 VAC For 100-120 VAC	: 75% to 95% of 415 VAC
8) Over Voltage Trip Setting For 380-440 VAC For 220-240 VAC For 100-120 VAC	: 105% to 125% of 415 VAC
9) Trip Time Delay * On phase	: 5 sec. $\pm 1$ sec for UB/SP/UV/OV, instant For RP
* On UV/OV	: Less than 2secs. For NF.
10) Set Accuracy * UV & OV setting.	: $\pm 2\%$ Of Set Value For 415VAC & 240 VAC & $\pm 3\%$ off set value for 110VAC
* Unbalance & T. Dly Setting	: $\pm 5\%$ Of Full Scale
12) Resetting	: Auto Reset
13) Reset Gap * Unbalance reset gap * UV & OV reset gap	: 20 % $\pm 5\%$ Of Set Value. : 3 % $\pm 1\%$ Of Set Value.
14) Indications * Power On * Phase failure / Unbalance / RP.	: ON : UB / RP (Steady led for SP / UB Flashing led for RP)
* Under / Over Voltage	: UV / OV (Steady led for UV, Flashing led for OV)
* Neutral Fail	: NF
15) Enclosure	: S2 Series, ABS / PC-ABS.
16) Dimensions ( mm ) * Overall * Mounting	: 90 X 35 X 60 : 35mm Rail Mounting.
17) Weight(Approx.)	: 110 gms.
18) Operating Conditions * Temperature * Humidity	: - 5 °C TO + 60 °C : UP TO 95 % Rh.
19) Programming Mode For	: Test Mode : Auto Manual Reset.

### Suitable for monitoring 3 Ph. System supply from MAINS & used by motor load:

- AC & R Chiller compressor motors, · AHU Fan / Pump Motors, · Machinery using multiple small motors
- MAIN powers supply distribution panel board, · DG Set application, · UPS, · Submersible Pumps, · Hoist & Crane.

### Our Other Products

- Alarm Annunciator, Motor/Pump Protection Relays, EOCR,  
Phase Failure Relay + UV / OV Relays, Voltage/Current/ Frequency/Reverse Power Monitoring Relays,  
Earth Fault/ Leakage Relays, Pump Automation Management system & Controllers, Water Level Controller,  
Electronic Timers, Power Line Transducers (V/I/KW/Multi-function/DC-DC Isolators or Barrier/Temp/Resistance/Tap position etc.),  
Multi-function Meter, Twin Window/Split AC Controller, Bearing temp Monitoring relays(PT-100)