

Three Phase Voltage Current Frequency Relay

Product Code: VAF-3P



Technical Specifications:-

Supply: 3 Phase 415 V AC, 50 Hz [R, Y, B, N]

Resolution: 1 V for Voltage, 0.1 Hz for Frequency, 1A for Current ≥ 100 & 0.1 A for Current < 100

Display: 3 Digit 0.5", Common Cathode bright RED 7 seg. LED display.

CT Ratio: Settable 30A/5A to 999A/5A .Default 50A/5A.

Frequency: Frequency Display for R-Phase.

Cutout dimensions: 96 mm X 96 mm X 65mm

Password: Separate Password for setting Ct-Ratio (Factory set Password 10) & Current Calibration (Offset) (Factory set Password 14) Field Calibration: Current Calibration (Offset) can be done at site

Hour counter: Hour counter up to 65535.0 hrs (Resolution 0.1 = 6 minutes)

Key's:-

- 1) HOLD: To hold the Voltage & Current Display in Normal Mode. Used to increment the set point/password in SET mode.
- 2) SET: If pressed once, HOUR Counter is displayed. If Pressed twice, shows set CT ratio. If pressed thrice, it will ask for password to enter into SET CT Ratio mode Or SET Current Offset Mode .Now enter Password with the help of HOLD key (for incrementing). & SET Key (for decrementing). Enter correct password & wait for 2 sec. According to the given password it will enter into SET CT Ratio Mode or SET Current Offset Mode. Now HOLD & SET keys can be used to increment/decrement to set the desired value. Wait for 5 sec. to come out of SET Mode.

Indications:-

RY Indicate R-Y Voltage
YB Indicate Y-B Voltage
BR Indicate B-R Voltage

R Indicate R Phase Current.
Y Indicate Y Phase Current
B Indicate B Phase Current

Working:-

VAF meter displays the Phase-Phase Voltages RY, YB, BR in the first row, Second row displays R-Phase frequency & Third row displays the Ampere Values of the three Phases, in the scrolling pattern. According to the display corresponding phase Led will be ON. To stop the Scrolling Press the HOLD Key and Scrolling is stopped, to release the hold, Press HOLD key again. To enter the Set mode press SET key.

1. (When key encounter first press), HOUR Counter is displayed.
2. (When key encounter second press), CT-Ratio Which is set is displayed.
3. (When key encounter Third press), Password is Asked for changing Ct-Ratio / Current Offset. Now HOLD key behaves as an increment key & SET key Behaves as a decrement key. Separate Passwords are assigned for Ct-Ratio & Current Offset .To change Ct Ratio Enter CT-Ratio's password in set mode. CT-Ratio's can be scrolled using HOLD & SET key. Select the CT-Ratio and wait for 3 sec.

On completing 3 sec. CT-Ratio is saved and display is returned to normal Run mode. To change Current Offset Enter Current Offset's Password in set mode.

Using HOLD & SET key increment or decrement the values to Be set. Ranges can be set in between 0 & 10 only. The selected value Is added into the Current's Value (A).

i.e. if 1 is selected 1A (Ampere) is added to current's value. If

10 is selected 10A is added to the Current's value. After 3 sec.

Display is returned to normal Run mode.

Terminal:

R-CT 0-5Amp		Y-CT 0-5Amp		B-CT 0-5Amp	
IN	OUT	IN	OUT	IN	OUT

SUPPLY 415 VAC			
R	Y	B	N