

DUAL VOLTAGE PHASE MONITORS

THREE PHASE MOTOR PROTECTION

MADE IN THE U.S.A.



UL FILE #E101681



*UL listed models require use of an RB08 or RB08-PC socket.



PROTECTS AGAINST:

- Under Voltage
- Phase Loss
- Phase Reversal
- Phase Unbalance
- (Optional Over Voltage)

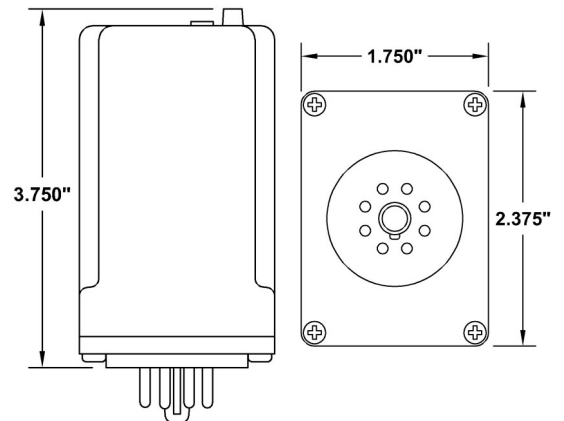
OPERATION

The Dual Voltage Phase Monitor automatically selects which voltage scale to operate from, either the 200-280V or the 425-525V.

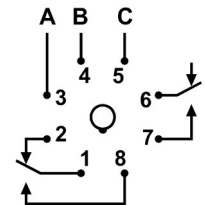
When the proper voltage is connected to the phase monitor the internal relay will be energized and the LED will be on steady. An abnormal condition will cause the LED to blink during the trip delay. When the trip delay has expired the internal relay will be de-energized. The LED will then provide a series of pulses that indicate which fault condition is present. When conditions return to normal, the LED will blink during the reset delay. When the reset delay has expired, the LED will come on steady and the internal relay will be energized. The reset delay is also active immediately after power is turned on to the unit.

These units can be used on Delta or Wye systems, 50/60 Hz.

To add the Over Voltage feature select the OV option.
 To extend the standard Reset Delay select one of the G options.
 To make the Phase Unbalance detection indication only, rather than energizing the output relay, select the U option.



LED STATUS	CONDITION
ON STEADY	NORMAL
⏏	TRIP or RESET
⏏	UNDERVOLTAGE
⏏	OVERVOLTAGE
⏏	UNBALANCE
⏏	REVERSAL



SPECIFICATIONS

- Under Voltage:
 - Trip: - 15% of 200-280V or -10% of 425-525V
 - Reset: - 12% of 200-280V or -8% of 425-525V
- Over Voltage:
 - Trip: + 15% of 200-280V or +10% of 425-525V
 - Reset: + 12% of 200-280V or +8% of 425-525V
- Phase Unbalance:
 - Trip: 5% with 5 Second Trip Delay
10% with 1 Second Trip Delay
 - Reset: 4%
- Trip Delay: 5 Seconds (Delay is Reduced to 1 Second if Phase Unbalance is 10% or Greater)
- Reset Delay: 2 Seconds Standard (See Options) (Delay on Operate)
- Voltage Range: 200V to 280V or 425V to 525V
- Output Rating: 10A Resistive @ 240VAC
- Operating Temp: -40°C to +40°C
- Storage Temp: -45°C to +85°C
- Enclosure: White Lexan
- Base: Phenolic

ORDERING INFORMATION

- 001 - DVM - 11 8 - XXXXX
- Product Type
 - Operating Voltage (Dual Voltage)
 - Relay Type (SPDT, SPST)
 - Base (8 Pin Octal)
 - Options:
 - OV - Over Voltage
 - G5 - 5 Second Reset Delay
 - G10 - 10 Second Reset Delay
 - G20 - 20 Second Reset Delay
 - G30 - 30 Second Reset Delay
 - G60 - 60 Second Reset Delay
 - U - Phase Unbalance Indication only