



DUAL VOLTAGE PHASE MONITORS

THREE PHASE MOTOR PROTECTION

MADE IN
THE U.S.A.



UL FILE #E101681



*UL listed models require use
of an SD12-PC socket.



PROTECTS AGAINST:

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

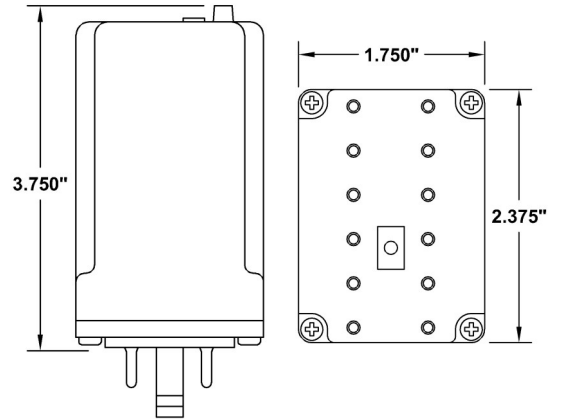
OPERATION

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.



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
(Delay on Release)	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

LED STATUS	CONDITION	C	B	A
ON STEADY	NORMAL	•	•	•
⏏	TRIP or RESET	6	5	4
⏏	UNDERVOLTAGE	8	9	10
⏏	OVERVOLTAGE	7	8	9
⏏	Ø UNBALANCE	10	11	12
⏏	Ø REVERSAL	11	12	12

ORDERING INFORMATION

001 - DVM - 12 12 - XXXXX

Product Type	└─┬─┘
Operating Voltage	└─┬─┘
(Dual Voltage)	└─┬─┘
Relay Type (DPDT)	└─┬─┘
Base (12 Pin)	└─┬─┘
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	