



PHASE MONITORS

THREE PHASE MOTOR
PROTECTION

MADE IN
THE U.S.A.

BASIC MODELS:

DPDT / 12 Pin

001-230-1212

001-480-1212

PROTECTS AGAINST:

Under Voltage

Phase Loss

Phase Reversal

Phase Unbalance

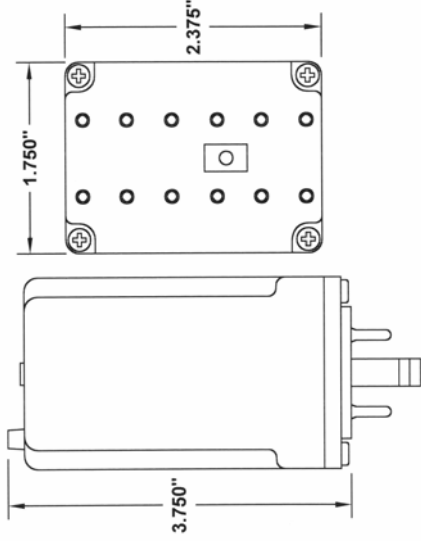
(Optional Over Voltage)

OPERATION

When proper voltage is connected to the phase monitor the internal relay will be energized and the LED will come 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.

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



LED STATUS	CONDITION
ON STEADY	NORMAL
TRIP or RESET	TRIP or RESET
UNDervOLTAGE	UNDervOLTAGE
OVERVOLTAGE	OVERVOLTAGE
Ø UNBALANCE	Ø UNBALANCE
Ø REVERSAL	Ø REVERSAL



SPECIFICATIONS

Under Voltage:

Trip:

Reset:

Over Voltage:

Trip:

Reset:

Phase Unbalance:

Trip:

Reset:

Trip Delay:

Reset Delay:

Voltage Range:

Output Rating:

Operating Temp:

Storage Temp:

Enclosure:

- 15% of Setting for 230V (-10% for 480V)

- 12% of Setting for 230V (-8% for 480V)

+ 15% of Setting for 230V (+10% for 480V)

+ 12% of Setting for 230V (+8% for 480V)

7% with 5 Second Trip Delay

15% with 1 Second Trip Delay

6%

5 Seconds (Delay is Reduced to 1 Second

if Phase Unbalance is 15% or Greater)

2 Seconds Standard (See Options)

200V to 240V or 425V to 525V

10A Resistive @ 240VAC

6A Inductive @ 240VAC

-40°C to +50 °C

-45°C to +85 °C

White Lexan

ORDERING INFORMATION

Product Type 001 - XXX - 12 12 - XXXXX

Operating Voltage

(230,480)

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