

Specifications

Electrical Line Voltage: 200 to 240VAC, 1Ø 200 to 600VAC. 3Ø Supply Voltage: 12VDC, 24VDC, 24VAC, 120VAC & 240VAC,1Ø Frequency: 50/60Hz Display: 16 Character, 2 line, LCD back lighting Adjustments: Membrane Buttons & Display Nominal Voltage: Adj. 200 to 600VAC Over/Under Voltage: Adj. 7% to 15% Phase Imbalance: 3% to 10% Phase Rotation: A - B - C **Delavs:** Trip Delay: Adj. 2 sec. to 10 sec. Re-Start Delay: Adj. Manual Reset to 4 min. Power Consumption: 2.1VA

Ordering Information

R-K Model -Special XXXX - Special **Supply Voltage** Termination 12D - 12VDC 24D - 24VDC T - Tabs 24A - 24VAC B - Terminal Blocks 120A - 120VAC 240A - 240VAC **Dimensions** - 0/25" Dia 0 I I I³ ⁴ ⁵ DPM L1 L2 L3 480 479 480 ON 4.312" 5.060" $\Theta \Theta \odot \odot$ 421 2 2.562 2" 3.073" MS MS L1

DPM - 24A - B -

Digital Multi-Range

3Ø Voltage Monitor

Output Rating @ 25°C:

10 Amps @ 120VAC

1/8 HP @ 120/277VAC

Mounting: Surface Mounting (2 screws)

Control Side: 0.187" Push-On Tabs

B - Terminal Blocks -40°C** to 59°C

**Display & membrane may not function below -20°C.

Line Side: 1/4" Push-On Tabs

Packaging: Dust Cover & Epoxy Fill

6 Amps @ 277VAC

5 Amps @ 30VDC

Physical

Termination:

Weight: 1 Pound

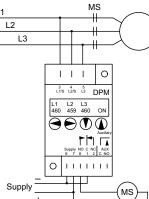
Operating:

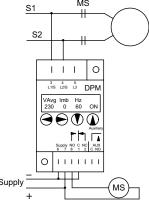
Ambient Temperatures

Storage: -40°C to 85°C

T - Tabs -40°C** to 65°C

Connections





DPM



Voltage Ranges:

- · 200 to 240VAC, 1Ø
- 200 to 600VAC, 3Ø

Digital Display:

- Line Voltages
- Frequency
- Imbalance %
- Output Relay Status
- Last 4 Faults

Set-Up Menus SPDT & 1NO Contacts

Operation

The DPM is a Digital Phase Monitor that will monitor line voltages from 200VAC up to 600VAC. Actual line voltages and set-up parameters are set via the digital display. The supply voltage must be available during operation.

With the supply voltage active, you can set-up all of the DPM's settings without the line voltage connected.

When the DPM is connected to the line voltage, it will monitor the line and if everything is within the set-up parameters, the output contacts will be activated. If the line voltages fall outside the set-up parameters, the output relay will be de-enegized after the trip delay.

Once the line voltages recover, the DPM will re-energize the output relay after the re-start time delay (manual to 4 minutes).

All settings and the last 4 faults are retained, even if there is a complete loss of power.