

MPE 8 Pin, Dual Voltage Phase Monitor

The Phase Monitor shall be an 8 Pin, plug in style unit for an applied voltage of either a range from 200 to 240VAC or 425 to 525VAC. The Phase Monitor shall monitor Under Voltage, Phase Reversal, and Phase Imbalance. The Phase Monitor shall be able to monitor Over Voltage as an option, as well as having optional reset delay time ranges.

With the correct voltage applied, the Phase Monitor LED shall blink during the reset delay, and at the end of the reset delay, the LED shall come on steady, and the internal relay shall be energized.

The trip points for Under and Over Voltage for the 200 to 240VAC range shall be 15% of setting, and the reset shall be 12 % of setting. The trip points for Under and Over Voltage for the 425 to 525VAC range shall be 10% of setting, and the reset shall be 8% of setting.

The Phase Imbalance shall have a trip delay of 5 seconds at a Phase Imbalance of 5%, and the delay shall approach zero as the Percentage of Phase Imbalance increases, with the reset being 4%.

The adjustment range shall be from 200 to 240VAC or 425 to 525V, with the center of the adjustable monitoring range either 230VAC or 500VAC.

The output relay shall contain one SPDT relay, rated 10A at 240VAC, and one normally open contact between pins 6 and 7, also rated 10A, that closes when energized. The Phase Monitor shall be able to function as a diagnostic tool as well, blinking a series of pulses to identify the fault conditions Under Voltage, Over Voltage, Phase Imbalance, or Phase Reversal.

The Dual Voltage Phase Monitor shall be Model 001-DVM-118, manufactured by Motor Protection Electronics, Apopka, Florida, (407) 299-3825.