

## Digital Three Phase Monitor

**Product** Digital Three Phase Line Voltage Monitor

**Purpose** The DiversiTech Digital Three Phase Line Voltage Monitor offers continuous protection against voltage anomalies which can damage compressors, motors and other sensitive electrically operated devices.

- Features**
- **PROTECTION:** Loss of Phase, Phase Reversal, Voltage Imbalance, Low Voltage, High Voltage
  - **DISPLAY:** Large custom LCD display indicates all operating conditions at a glance. Three large sets of digits provide easy system troubleshooting.
  - **VOLTMETER:** Three independent voltmeters read both line and contactor load (backside) voltages.
  - **MONITORED VOLTAGE:** 160 to 600 Volts 50-60 Hz.
  - **POWER SUPPLY:** Power for the WPC-500 is automatically derived from any active phase. System operation is not depende
  - **CONTROL VOLTAGE:** 19-277 VAC. Anticipator load is provided for operation with 24 volt electronic and mechanical thermostats.
  - **OPERATING VOLTAGE SET POINT:** 175 to 650 VAC. Digitally adjustable in one volt increments.
  - **VOLTAGE TRIP POINT:** Adjustable in 1% increments between 6% and 18% of selected operating voltage. Restart voltage set point (hysteresis) fixed at cutout voltage + 3%.
  - **VOLTAGE SYMMETRY:** Adjustable imbalance trip point from 2% to 25% of selected operating voltage.
  - **RESPONSE TIMES:** Phase Loss/Reversal: 100 mS max.
  - **LOCKOUT DELAY TIMER:** Fully adjustable 0 to 720 Seconds (0 to 12 minutes). Digital display shows remaining time and user set points.
  - **SEQUENTIAL START TIMER:** 0 to 30 seconds in one second increments.
  - **RESPONSE TIMER:** 0.1 to 20 Seconds. Digital display shows remaining time and user set points.
  - **MEMORY:** Up to 25 past fault conditions are stored for later retrieval and analysis. The faults may be displayed or cleared by the front panel buttons.

**General Specifications**

- UL Recognized
- Warranty - 1 year
- Accuracy - + / - 2% of indicated average voltage
- Warra
- Warra
- Warra

**General Characteristics**

Model	Voltmeter	Number of Phase Pairs	Dimensions	Weight
DTP-3	70 volts - 650 volts	3	L = 6.50 in, D= 0.98 in H = 4.25 in	0.91 lbs



DTP-3

