# TECHNICAL DATA SHEET DIVERSITECHS



## **Digital Three Phase Monitor**

## **Product**

Digital Three Phase Line Voltage Monitor

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.

- 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 automa-tically 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 (hysterisis) fixed at cutout voltage + 3%.
- VOLTÄGE 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 dis-played 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







