### 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.
- **VOLTOMETER:** Three independent voltmeters read both line and contactor load (backside) voltages.
- **POWER SUPPLY:** Power for the WPC-500 is automatically derived from any active phase. System operation is not dependent.
- **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 - ± 0.5% of indicated average voltage
- Warra
- Warra
- Warra

#### General Characteristics

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltmeter</th>
<th>Number of Phase Pairs</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTP-3</td>
<td>70 volts - 650 volts</td>
<td>3</td>
<td>L = 6.50 in, D= 0.98 in</td>
<td>0.91 lbs</td>
</tr>
</tbody>
</table>

![Typical Wiring Diagram](image)

**Always use extreme caution when installing or adjusting equipment utilizing hazardous voltages.**