**Series PLT Piezoresistive Level Transmitters** provide reliable measurement and control of process levels by sensing the hydrostatic pressure in a tank. The loop-powered level transmitter delivers a 4 to 20 mA output signal proportional to hydrostatic pressure and specific gravity of the fluid for indicating, recording or control purposes. Easily accessible zero and span potentiometers make calibration in the field quick and simple. Units are equipped with EMI and reverse polarity protection.

**APPLICATIONS**
Monitor and control levels of water, chemicals, lubricants, or paints in vented tanks. Ideal for fluids with suspended solids such as wastewater and slurries.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLT1040</td>
<td>1 psig</td>
<td>1” female NPT</td>
</tr>
<tr>
<td>PLT1050</td>
<td>1 psig</td>
<td>2 Flange</td>
</tr>
<tr>
<td>PLT2040</td>
<td>5 psig</td>
<td>1” female NPT</td>
</tr>
<tr>
<td>PLT2050</td>
<td>5 psig</td>
<td>2 Flange</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**
- **Service:** Compatible liquids.
- **Wetted Materials:** 316 SS and PTFE.
- **Accuracy:** ± 0.25% of span. Repeatability and hysteresis: ± 0.10% of full range.
- **Temperature Limits:** 0 to 200°F (-18 to 93°C).
- **Compensated Temperature Range:** 0 to 180°F (-18 to 82°C).
- **Pressure Limit:** 3 times the full range.
- **Power Requirements:** 18 to 30 VDC.
- **Output Signal:** 4 to 20 mA, 2 wire.
- **Zero and Span Adjustments:** Zero adjustment for elevation compensation: 25%.
- **Loop Resistance:** 1000 Ohms at 24 VDC.
- **Electrical Connections:** Screw terminal.
- **Fill Solution:** Silicone oil.
- **Vibration Limits:** ±1 g, 10 to 200 Hz.
- **Options:** See process connection for other connection options. 10 psi (0.69 bar) up to 500 psi (34.47 bar) ranges.

**Series PCP Relay/Controller/Power Supply**
10A SPDT Relay, 24 VDC Power Supply, Latching Circuit for Level Control

The **Series PCP level controller** is designed to be a power supply, an external relay, and a latching relay for differential level control with two level switches. As a power supply, the PCP can step-down line voltage to 5 or 24 VDC to power NPN switches such as the OLS and PC level switches or to power a transmitter. The PCP can function as an external relay to increase switching capability by providing up to a 10A SPDT contact for direct control of moderate loads. As a latching relay the PCP can be used with any two normally open level switches and provide level control for pumps. The latching circuit can also be used to hold the relay in an actuated state until manually reset.

<table>
<thead>
<tr>
<th>Model</th>
<th>120 VAC</th>
<th>24 VDC</th>
<th>Max. Switching Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCP-1</td>
<td>0.5A</td>
<td>1A</td>
<td>62.5 VA, 33 W</td>
</tr>
<tr>
<td>PCP-5</td>
<td>5A</td>
<td>5A</td>
<td>600 VA, 150 W</td>
</tr>
<tr>
<td>PCP-10</td>
<td>10A</td>
<td>5A</td>
<td>1250 VA, 150 W</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**
- **Inputs:** One or two normally open switches.
- **Output Type:** SPDT switch.
- **Control Type:** On/off with manual reset capability.
- **Power Requirements:** 24 VDC, 24 VAC, 120 VAC, or 240 VAC.
- **Power Consumption:** DC power: 15 mA maximum, AC power: 55 mA maximum.
- **Ambient Operating Temperature:** 0 to 140°F (-18 to 60°C).
- **Weight:** 1.06 lb (0.48 kg).
- **Enclosure Rating:** General purpose.
- **Loop Power Supply:** 5 or 24 VDC regulated. 200 mA maximum.
- **Mounting Orientation:** Horizontal or vertical.