The Series PLS2 is an electromechanical level switch designed for level monitoring of bulk materials. The rotating measuring vane is driven by a brushless synchronous motor at one revolution per minute. As product builds up, the paddle rotation is impeded and the resulting motor torque activates the output switch and stops the motor. A spring mechanism reactivates the motor and returns the switch to normal state when the material no longer impedes the paddle rotation. A torque adjusting mechanism eliminates the need for different sized paddles. The PLS2 is designed with the industry standard 1-1/4˝ male NPT connection and unit can be side or top mounted.

**FEATURES**
- 3 sensitivity settings
- Top or side mountable
- Brushless synchronous motor: Assures long term reliability and efficiency
- Motor shuts off when paddle stalls
- Screw cover: For easy access with no worries about losing bolts or screws

**APPLICATION**
- Level monitoring of bulk materials

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**SPECIFICATIONS**

**Service:** Dry powder or bulk materials compatible with wetted materials.

**Wetted Materials:**
- Paddle: 304 SS;
- Exposed shaft: 303 SS;
- Shaft seal: NBR;
- Process connection: Aluminum.

**Temperature Limits:**
- Process: -13 to 176°F (-25 to 80°C);
- Ambient: -4 to 140°F (-20 to 60°C).

**Pressure Limit:**
- 11.6 psi (0.8 bar).

**Power Requirement:** Select by model number: 115 VAC, 230 VAC or 24 VDC.

**Power Consumption:**
- AC versions: 4 VA; DC version: 2.5 watt.

**Enclosure:**
- Aluminum, powder coated.

**Enclosure Rating:**
- NEMA 4 (IP66);
- Rated for Class II & III, Div. 1, Group E, F, G.

**Switch Type:** SPDT micro switch.

**Electrical Rating:**
- 5 A @ 250 VAC, 3 A @ 30 VDC.

**Electric Connections:** Screw terminals.

**Conduit Connection:**
- 3/4˝ female NPT.

**Process Connection:**
- 1-1/4˝ male NPT.

**Mounting Orientation:** Side or top mounting.

**Sensitivity:** Min. material density of 6 lb/ft³ (96 kg/m³).

**Permitted Mechanical Loading:**
- Standard shaft: 67 lbf (300 N) max;
- Optional extension: 22 lbf (100 N) max.

**Weight:**
- 2.6 lb (1.2 kg).

**Agency Approvals:** CE, FM.

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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>PL870-PL1, Double Sided Spring Paddle</td>
<td>$50.00</td>
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<tr>
<td>PL870-PL2, Single Sided Spring Paddle</td>
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<tr>
<td>PL870-EX1, 8.5˝ Shaft Extension</td>
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<td>PL870-EX2, 18.6˝ Shaft Extension</td>
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<tr>
<td>PL870-EX3, 39.4˝ Shaft Extension</td>
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<tr>
<td>PL870-EX4, 78.7˝ Shaft Extension</td>
<td>$185.00</td>
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</tbody>
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Items are subject to Schedule B discounts.