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

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.

Models include single sided non-spring paddle.

ACCESSORIES
- PLS2-PL1, Double Sided Spring Paddle
- PLS2-PL2, Single Sided Spring Paddle
- PLS2-EX1, 8.5˝ Shaft Extension
- PLS2-EX2, 10.8˝ Shaft Extension
- PLS2-EX3, 39.4˝ Shaft Extension
- PLS2-EX4, 78.7˝ Shaft Extension

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>PLS2-E-1-1</td>
<td>Explosion-proof paddle level switch, 115 VAC power supply</td>
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<tr>
<td>PLS2-E-1-2</td>
<td>Explosion-proof paddle level switch, 230 VAC power supply</td>
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<tr>
<td>PLS2-E-1-3</td>
<td>Explosion-proof paddle level switch, 24 VDC power supply</td>
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</table>

Models include single sided non-spring paddle.