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˝ 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: Minimum 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.

ACCESSORIES
- PLS2-PL1, Double Sided Spring Paddle $50.00
- PLS2-PL2, Single Sided Spring Paddle $50.00
- PLS2-EX1, 8.5˝ Shaft Extension 50.00
- PLS2-EX2, 19.6˝ Shaft Extension 95.00
- PLS2-EX3, 39.4˝ Shaft Extension 115.00
- PLS2-EX4, 78.7˝ Shaft Extension 185.00

Items are subject to Schedule B discounts.