The Model DBLM Mini-Bin Dry Bulk Level Monitor provides reliable level sensing for dry bulk solids where mounting space is limited. Model DBLM Mini-Bin operates by using a 1 rpm synchronous motor to rotate a four vane, plastic paddle, and when material surrounds paddle and impedes rotation, the motor is de-energized and triggers a SPDT snap switch. Mount the Mini-Bin with optional 1-1/4” to 3/4” reducer to replace standard size units.

**FEATURES/BENEFITS**
- Compact, side mount control reports high, intermediate, and low level conditions, eliminating overflows, choking, clogs or empty vessels
- Top or side mountable for added installation flexibility
- Motor shuts ceases operation when paddle stalls
- 3 sensitivity settings for spring force can be set for light to very sticky materials
- Torque adjusting mechanism eliminates the need for different sized paddles
- Order number: 115 VAC, 230 VAC or 24 VDC.
- Enclosure Rating: NEMA 1 (IP10).
- Switch Type: SPDT micro switch.

**APPLICATIONS**
- Mining
- Food and beverage
- Grain bins
- Hoppers

**SERIES PLS2 | PROXIMITY® BY DWYER**

**PADDLE LEVEL SWITCH**

3 Sensitivity Settings, Top or Side Mounting

The Series PLS2 Paddle Level Switch 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 and as product builds up, the paddle rotation is impeded and the resulting motor torque activates the output switch and stops the motor. The PLS2 is designed with the industry standard 1-1/4” male NPT connection and unit can be side or top mounted.

**SPECIFICATIONS**

- Service: Dry powder or bulk materials compatible with wetted materials.
- Wetted Materials: Paddle: Stainless steel; Shaft: PTFE.
- Exposed shaft: 304 SS; Shaft seal: NBR.
- Process: -13 to 176°F (-20 to 80°C).
- Motor: 1/2 hp, 220 VAC optional, consult factory.
- Power Consumption: 1.5 watts.
- Enclosure: Aluminium, powder coated.

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLS2-PL1</td>
<td>Single sided spring paddle</td>
</tr>
<tr>
<td>PLS2-PL2</td>
<td>Double sided spring paddle</td>
</tr>
<tr>
<td>PLS2-EX1</td>
<td>8.5” shaft extension</td>
</tr>
<tr>
<td>PLS2-EX2</td>
<td>15.8” shaft extension</td>
</tr>
<tr>
<td>PLS2-EX3</td>
<td>39.4” shaft extension</td>
</tr>
<tr>
<td>PLS2-EX4</td>
<td>78.7” shaft extension</td>
</tr>
</tbody>
</table>

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBLM3040</td>
<td>110 VAC</td>
</tr>
<tr>
<td>DBLM3140</td>
<td>220 VAC</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>8” x 1-1/4” NPT flexible carbon steel mounting flange</td>
</tr>
<tr>
<td>A-335</td>
<td>1-1/4” to 3/4” reducer 220</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- Mining
- Food and beverage
- Grain bins
- Hoppers

**PROXIMITY® BY DWYER**

**MINI-BIN DRY BULK LEVEL MONITOR**

Compact, 4-Vane Paddle

The Mini-Bin Dry Bulk Level Monitor is an electromechanical level switch designed to replace standard size units.

**FEATURES/BENEFITS**
- Motor shuts ceases operation when paddle stalls
- 3 sensitivity settings for spring force can be set for light to very sticky materials
- Torque adjusting mechanism eliminates the need for different sized paddles
- Order number: 115 VAC, 230 VAC or 24 VDC.
- Switch Type: SPDT micro switch.

**APPLICATIONS**

- Mining
- Food and beverage
- Grain bins
- Hoppers