The Mini-Bin provides reliable level sensing for dry bulk solids where mounting space is limited. This compact, side mount control reports high, intermediate, and low level conditions, eliminating overflows, choking, clogs or empty vessels. Model DBLM Mini-Bin operates by using a 1 rpm synchronous motor to rotate a four vane, plastic paddle. 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.

**Mini-Bin Dry Bulk Level Monitor**

**Compact, 4-Vane Paddle**

**SPECIFICATIONS**
- **Service:** Dry bulk solids.
- **Wetted Materials:** Polycarbonate paddle, SS shaft, PTFE washer.
- **Temperature Limits:** -4 to 140°F (-20 to 60°C).
- **Enclosure Rating:** Polycarbonate, NEMA 1.
- **Switch Type:** SPDT snap switch.
- **Electrical Rating:** 3A @ 250 VAC.
- **Power Requirements:** 110 VAC, 50/60 Hz, 220 VAC optional, consult factory.
- **Power Consumption:** 1.5 Watts.
- **Electrical Connections:** 18 AWG, 12˝ leads wrapped in conduit.
- **Process Connection:** 3/4˝ male NPT, optional flange and 1-1/4˝ to 3/4˝ reducer.
- **Mounting Orientation:** Side mount.
- **Weight:** 0.77 lb (350 g).
- **Agency Approvals:** CE.

---

**Proximity Sensors**

**Capacitive or Inductive 3-Wire DC, Threaded Body**

The Series PS Proximity Sensors are noninvasive sensors ideal for level detection, position indicating and counting applications. Capacitive type sensors detect electrically conducting and nonconducting materials, liquids, solids, or powders and include a sensitivity adjustment to differentiate between various materials. Inductive sensors detect ferrous or nonferrous metals only. A bright LED indicates the state of the output switch. Sensors feature short circuit, reverse polarity, and transient protection. Small size and threaded body make installation easy. Inductive sensors are embeddable (can be mounted flush). Capacitive sensors are environmentally protected to IP65 and Inductive sensors are protected to IP68. Units include two fixing, screwdriver, and operating manual.

**SPECIFICATIONS**
- **Wetted Materials:** Glass GRP Crastine reinforced plastic (PSC), stainless steel (Model PSI2002203), nickel-plated brass (Model PSI2005303).
- **Temperature Limits:** -22 to 212°F (-30 to 100°C) capacitive, -13 to 158°F (-25 to 70°C) inductive.
- **Enclosure Rating:** PSC, IP65; PSI, IP68.
- **Repeatability:** ±0.05% (Model PSC20103), ±0.1% (Model PSC20203), ±0.01% (PSI Models).
- **Power Requirements:** 8 to 30 VDC.
- **Switch Type:** Normally open NPN transistor, sinking (PSC30203:PNP).
- **Electrical Rating:** 250 mA (PSC), 200 mA (PSI).
- **Minimum Load Current:** 8 mA (PSC), <25 mA (PSI).
- **Leakage (Off-State) Current:** <3 mA (PSC), <0.08 mA (PSI).
- **Voltage Drop:** <3.5V @ 250 mA (PSC), <2.5V @ 200 mA (PSI).
- **Ripple:** 10%.
- **Electrical Connection:** 9.8 ft (3 m) cable.
- **Deadband:** 20% of range (PSC), 15% of range (PSI).
- **Initializing Time Delay:** <10 msec.
- **Agency Approvals:** CE.