

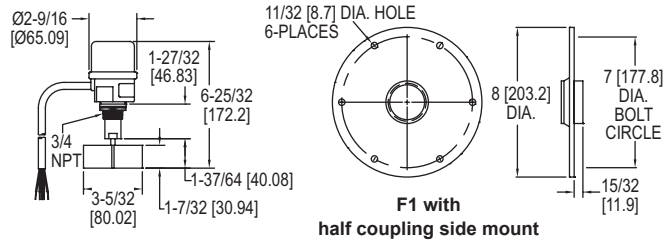
Dwyer

MODEL DBLM | PROXIMITY® BY DWYER



# MINI-BIN DRY BULK LEVEL MONITOR

## Compact, 4-Vane Paddle



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
- Unaffected by the dielectric constant of the sensed material, making it superior to a capacitance level switch for applications where the dielectric constant is too low, where there is more than one material being used in one vessel, and when material moisture content can change

### APPLICATIONS

- Mining
- Food and beverage
- Grain silos
- Hoppers

### MODEL CHART

Model	Power Supply
DBLM3040	110 VAC
DBLM3140	220 VAC

### 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 (IP10).  
**Switch Type:** SPDT snap switch.  
**Electrical Rating:** 3 A @ 250 VAC.  
**Power Requirements:** 110 VAC, 50/60 Hz, 220 VAC optional, consult factory.

**Power Consumption:** 1.5 watt.  
**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.

### ACCESSORIES

Model	Description
F1	8" x 1-1/4" NPT flexible carbon steel mounting flange
A-335	1-1/4" to 3/4" reducer 220