

# BMRX-100 Rotary Level Indicator



## ROTARY LEVEL INDICATOR WITH MECHANICAL DESIGN

The next generation BMRX-100 is an affordable way to alert to vessel levels in solid materials with a bulk density of 2 lb. to over 100 lb./cu.ft.

Simple operation and reliable mechanical design make the BMRX-100 ideal for level indication in storage and processing conditions where hazloc certification is not required. It works by turning a paddle continuously until stopped by material, then closes a relay to indicate a change in status.



## DETECTS HIGH AND LOW LEVELS

Like all BinMaster rotaries, the BMRX-10 is used as a high-level alert to prevent overfilling vessels. When mounted near the bottom or in the cone of the vessel, it alerts to low levels to avoid material shortages that can lead to shutting down production processes.

## ALERTS VIA LIGHT OR HORN

Wire the BMRX-100 to a light or horn to alert when a full or empty condition occurs. Or wire it to shut off a process, such as stopping a grain leg or conveyor, when a vessel is full.

## WHERE TO USE THE BMRX-100

**Agriculture:** Bins containing grain, seed, feed, fertilizer, or bulk ingredients.

**Construction:** Concrete and cement batch plants, silos of foofing granules.

**Mining:** Sand, gravel, aggregate, coal storage, and surge bins.

**Plastics:** Detect the level of plastic pellets in silos or hoppers.

**Bulk solids:** Wood pellets, chemicals, food, and more.

## BINMASTER EXCLUSIVE!

Enclosure rotates to point conduit entries down upon installation to protect internal components from moisture.

## ADAPTABLE TO MANY BULK SOLID MATERIALS



With a wide selection of paddles, the BMRX-100 rotary adapts to light, medium, and heavy weight materials. Use one of BinMaster's collapsible paddles to avoid entering the vessel when you install or replace the rotary. Add a stainless-steel process connection to ensure durability in corrosive or caustic materials.

- Motors made by BinMaster in the USA
- Interchangeable with other rotaries
- Easy-open, screw off cap
- Easy 3/4" NPT wiring access



## COMMON BMRX-100 APPLICATIONS

**Process control.** High, demand, and empty level indication.

**Level detection.** Point level detection of bulk solids. Overflow prevention. High level alerts to avoid overfilling.

**Conveyors.** Detect overloaded or empty conveyors.

**Plugged chutes.** Detect when chutes get clogged with materials.

**Material outages.** Low level alerts to eliminate empty vessel conditions.

## TECHNICAL SPECIFICATIONS

Voltage	115 VAC, 220 VAC, 24 VAC
Relay Output:	DPDT 10 Amp, 250 VAC Max
Ambient Temp	-40°F to +185°F (-40°C to +85°C)
Process Temp:	Up to +240°F (116°C)
Enclosure Type:	NEMA 4X, 5, 7, 9 & 12
Enclosure Material:	Die cast aluminum, powder coat finish
Mounting:	1.25" NPT, 1.5" NPT, 2.0" Tri-clover
Conduit Connections:	Two 3/4" NPT
Shaft:	Stainless steel

INS-DS-0367- FEB 24