

Rotary Level Indicator

with built-in status light

BinMaster's new BMRX-300 rotary level switch is the first to feature a large LED built-in indicator light. The bright LED changes from green to red when the paddle stops turning when the bin is full or empty.

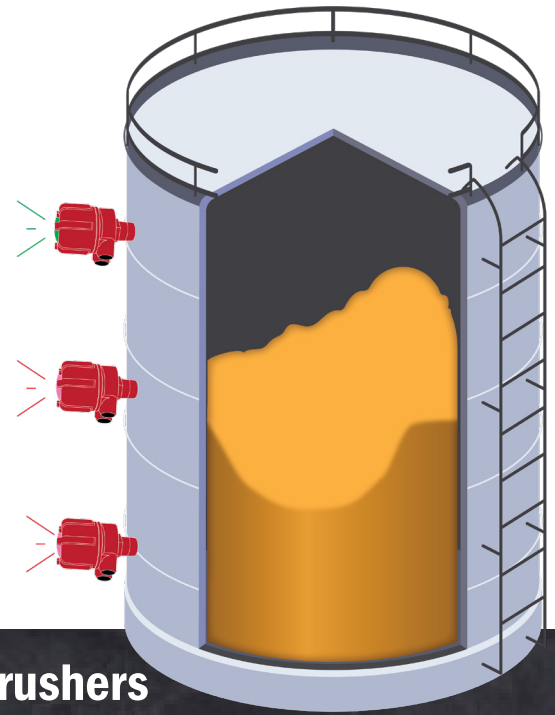
Use it to prevent overfills or wire the relay to stop a process. Plus, you will eliminate bin and silo climbing to keep people safe.

The rotary is the workhorse of point level switches. Simple operation and reliable mechanical design make the BMRX-300 ideal for level indication under ordinary storage and processing conditions.



Alerts to high- mid- low-levels

Like all BinMaster rotaries, the BMRX-300 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. For tall vessels, install an additional BMRX-300 at a desired point, say you want to know when the bin is half full. This comes in handy when you're unloading grain wagons and want to know how much room is left.



Bins | Silos | Hoppers | Crushers



Highly-visible LED light

The light is green while the paddle is turning. When the paddle is stopped by material, a relay closes to indicate a change in status and the light changes to red. The light is housed in the lid of the rotary, there's no extra wiring to an external light. When the BMRX-300 is mounted on the side of the vessel, the bright green or red light is visible from 100 feet away. You can also wire the rotary to start or stop a process when the light turns red or green. For example, if you are loading a grain bin using an auger, you can shut off the auger when the light turns red.

Visual status report

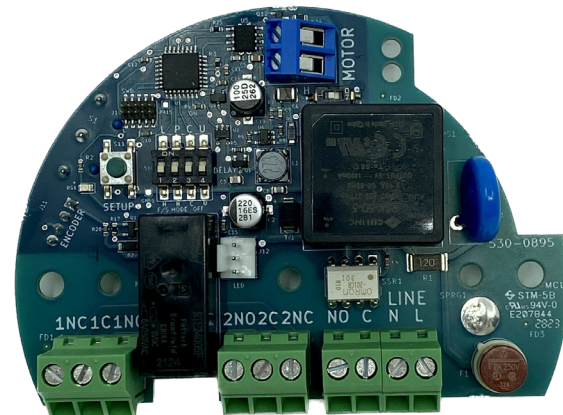
Fail-safe operation, self-diagnostics, and immediate and corrective response to failures distinguish the BMRX-300 as the best rotary for process control. Its red LED light visually alerts to fault, covered, or rotating status conditions.

PCB on board

The BMRX-300 has a PCB that serves as the brains of the operation. This PCB lets us add a built-in notification light and extra switching options like DPDT relays and a status indication feature.

Two-switching outputs

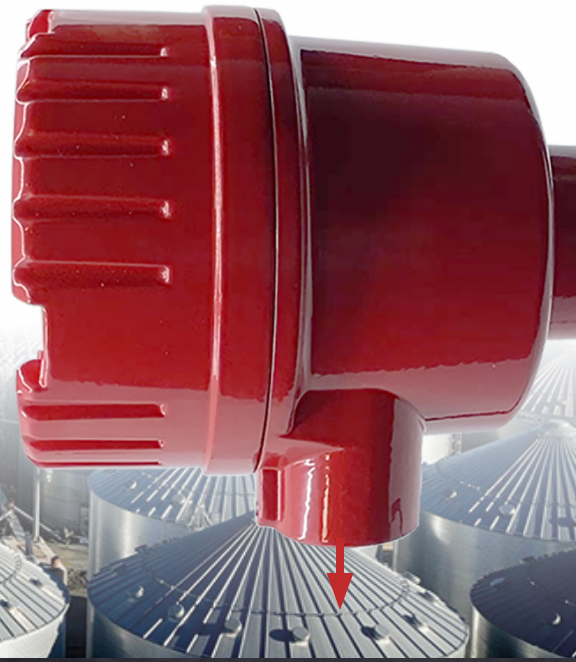
A DPDT relay in the BMRX-300 allows the user to set up two switching outputs. This switch can control two separate circuits and can be set to one of two locations for each circuit. For example, one switching output in the BMRX-300 can be set for a covered condition and the other can be set for an uncovered condition.



BinMaster Exclusive!

Enclosure rotates 360° so you can point conduit entries down upon installation. This will protect internal components from moisture and extend service life.

360°



Surge Bins | Conveyors | Chutes

More rotary options than anyone

Paddles for every purpose: BinMaster offers 19 different rotary paddle options for light, medium, and heavy weight materials. Single or double-vane collapsible paddles let you avoid entering the vessel when the rotary is installed or replaced.

Versatile process connections: Stainless steel and aluminum 1.25" and 1.5" with o-ring, or bearing and seal are available for corrosive or caustic material applications.

Flat or angled mounting plates: Carbon and stainless-steel options in 0°, 10°, 20° and 30° angles for top mounting on sloped roofs.

Point level alarm panel: Provides vessel level conditions via a blinking light and audible alarm with up to 24 level indicator stations.

Quick disconnect: Replaces hard wiring to make it simple to install and remove the rotary for cleaning, maintenance, or replacement.

So many rotary applications

Level detection: Point level detection of bulk solids

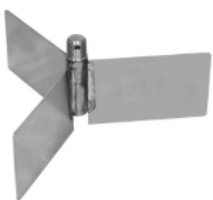
Process control: High, demand, and empty level indication

Overflow prevention: High level alerts to avoid overfilling

Conveyor control: Prevent overloading or empty conditions

Plugged chutes: Detect when chutes are clogged with materials

Material outages: Alerts eliminate dry runs and bad batching



BMRX-300 Features

Designed and made in USA to ISO quality processes
Enclosure rotates 360° to point conduit entries down
DPDT 10-amp relay output, 250 VAC max
Two ¾" conduit entrances for easy wiring
Easily replaces other rotaries
Aluminum cast housing with powder-coated finish
Easy wiring access and screw-off cover

Industries galore

Agriculture: Grain, seed, feed, fertilizer, or bulk ingredients

Construction: Concrete, stone, sand, roofing granules

Mining: Limestone, coal, gypsum, alumina, bauxite

Plastics: Pellets, granules, regrind

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



SOLID rotary for SOLID materials

The next generation BMRX-300 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. It's great in any free-flowing solids including grains, pellets, and granules.

Specifications

Voltage: 110-230 VAC Universal

Output Relay: DPDT 10 Amp, 250 VAC Max

Ambient Temp: -40°F to +185°F (-40°C to +85°C)

Process Temp: Up to +400°F (204°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: ¾" NPT

Shaft: Stainless steel



BINMASTER®