The Roto-Bin-Dicator® is the most universal of all level sensing technologies and is the most popular level switch used in dry bulk materials. The Roto-Bin-Dicator® is a rotating paddle type, bulk material level sensor offered with a wide variety of paddle options for unequalled application versatility. It is easy to install and requires no special tools or calibration.

The compact injection molded impact resistant “Mini Roto” has been designed for use in small bins and hoppers where mounting space is a premium. This compact yet rugged level sensor includes adjustable sensitivity allowing it to be used in materials with densities between 5 lbs/cu ft and 65 lbs/cu ft.

Features and Benefits

- Simple Mechanical Mechanism
  No calibration required
- Wide Variety of Paddle Options
  Unequaled application versatility
- Mount in Any Orientation
  Gives user the option of applying a sensor for high, intermediate, or low level control

How to Order

MR - Y - 1
Enclosure
Y = YES

LED
1 = Standard 4X

Voltage
1 = 120 VAC
2 = 240 VAC
3 = 24 VDC
4 = 24 VAC

Mini Roto

Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Vane [3”x12”] PVC Paddle</td>
<td>LMR110006</td>
</tr>
<tr>
<td>PVC Extension &amp; Guard Assembly</td>
<td>LMR110007</td>
</tr>
<tr>
<td>304 S.S. Extension &amp; Guard Assy.</td>
<td>LMR110008</td>
</tr>
<tr>
<td>Insertable paddle, Nylon®</td>
<td>LMR120003</td>
</tr>
<tr>
<td>4 Vane Paddle, Nylon®</td>
<td>LMR120006</td>
</tr>
<tr>
<td>4 Vane Paddle, Ryton®</td>
<td>LMR120024</td>
</tr>
<tr>
<td>4 Vane Paddle, Food Grade</td>
<td>LMR120025</td>
</tr>
<tr>
<td>Insertable Paddle, Ryton®</td>
<td>LMR120026</td>
</tr>
<tr>
<td>Insertable Paddle, Food Grade</td>
<td>LMR120027</td>
</tr>
<tr>
<td>Mounting Plate, Nylon®</td>
<td>LMR130025</td>
</tr>
<tr>
<td>Mounting Plate Gasket</td>
<td>LMR130026</td>
</tr>
</tbody>
</table>
Specifications

Housing and Cover: Injection molded Minlon®, corrosion resistant weatherproof (NEMA 4, 4X, 5)

Drive Shaft Assembly: Precision machined shaft with two shielded ball bearings

Shaft Seal: Teflon®/Viton™ Lipseal™ rated ½ micron @ 30 psi (2.1 kg/cm²) @ 400°F (204°C)

Operating Temperature: -40°F (-40°C) to 200°F (93°C)

Motor Rating: Permanent-magnet synchronous, 2 watts 120/240 VAC ± 10%, 2 watts 24 VAC ± 10%

Mounting: ¾” NPT

Circuitry: Designed to shut motor off during presence of material; turn on red LED, 1 watt heater to eliminate moisture in 120 VAC or 240 VAC units only

Paddle: Nylon®, Ryton®, or Polysulfone™ injection molded “insertable” or “4 vane” and “2 vane” (PVC only)

Shaft Extension: Available in PVC or 304 S.S.

Screw Terminals: For power and switch wiring

Clutch: Prevents damage to motor gear train

Conduit Opening: ½” NPT

Switch Rating: SPDT 10A 125 VAC; 10A 250 VAC; ½ A 125 VDC; ¼ A 250 VDC

Voltage: 120/240 VAC, 24 VDC or 24 VAC

Dimensions

NOTE: BRST'D. DIMS. ( ) ARE IN M.M.