Roto-Switch™

Rotary Paddle Level Indicator

APPLICATION
The Roto-Switch rotary paddle switch is designed to detect high and low levels of bulk granular solids in bins, tanks, silos, and as blockage detectors in spouts.

METHOD OF OPERATION
The detection of material is achieved by a rotating paddle. If material impedes the rotation of the paddle, the motor topples of its axis and triggers a contact. The power supply to the motor is cut and the contact signals that a critical level has been reached, which will cause the motor for any inlet or outlet to close down or start up. When the level of the material reaches normal levels again, the motor returns to its initial position and restarts.

In the case of a power failure, the Roto-Switch has a fail-safe relay that will signal the control room or sound an audible alarm indicating that the unit is not working. Through the control circuit, this alarm can stop any motor filling or emptying the silo.

FEATURES
► Glass Fiber Reinforced Nylon Housing
► Vertical Extensions to 14 Feet are Available
► Power Fail Alarm
► Automatic Power Shut-Off
► Relay Contact Output
► 4 Paddle Versions Available
► Heavy Duty Version Available*

PART NUMBERS/ACCESSORIES
► RLI1V6FCA  Roto-Switch 110/240 VAC or 24 VDC
► RLI2V6FCA  Heavy Duty Roto-Switch 110/240 VAC or 24 VDC
► RLISP1  Insertable Paddle
► RLISP2  Insertable Paddle
► RLISP3  Three Vane 5” Diameter Paddle
► RLISP4  Three Vane 7” Diameter Paddle
► SMP  Side Mounting Plate
► SMPS  Side Mounting Plate - Stainless Steel
► TMP  Top Mounting Plate
► TMPS  Top Mounting Plate - Stainless Steel

*Heavy Duty Versions - Available with stainless steel bearings and Teflon/stainless shaft seals. Ideally suited to wet and humid conditions.

Detailed specification, wiring diagrams and installation/operating instructions available upon request.

www.go4b.com/usa
Roto-Switch™

TECHNICAL SPECIFICATIONS
Roto-Switch Rotary Paddle Level Indicator

<table>
<thead>
<tr>
<th>Model</th>
<th>Design</th>
<th>Materials</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>RLISP1</td>
<td>Single Vane</td>
<td>Over 70 PCF Coal, Stones, Etc.</td>
<td>RLI1V6FCA</td>
</tr>
<tr>
<td>RLISP2</td>
<td>Insertable Vane</td>
<td>30 - 70 PCF Powders, Light Grain &amp; Seed</td>
<td>RLI1V6FCA</td>
</tr>
<tr>
<td>RLISP3</td>
<td>Three Vane</td>
<td>30 - 70 PCF Grain, Beans, Oil Seeds</td>
<td>RLI1V6FCA</td>
</tr>
<tr>
<td>RLISP4</td>
<td>Three Vane</td>
<td>Under 30 PCF Flour &amp; Light Materials</td>
<td>RLI1V6FCA</td>
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**Specifications**
- **Power Supply:** 120/240 VAC or 24 VDC (Selectable)
- **Supply Tolerance:** ± 10%
- **Power Consumption:** 400 mA
- **Fuse:** 1 Amp
- **Operating Temperature:** -13°F (-25°C) to 176°F (80°C)
- **Output:** Voltage Free Relay - 1 Pole Normally Open, 1 Pole Normally Closed
- **Conduit Entry:** Two, 1/2" NPT
- **Mounting:** 1-1/4" NPT
- **Connections:** Screw Terminal Block
- **Enclosure:** Flame Retardant Glass Reinforced Nylon
- **Weight:** 2.25 lb. (Power Pack Only)
- **Protection:** IP65 - NEMA 4
- **Approvals:** CE - Europe

Detailed specification, wiring diagrams and installation/operating instructions available upon request.