

## Rotating Paddle Wheel type Level Switch.



### Applications:

Cement, Ash, Bulk, Material Handling, Agro, Food, Chemical industries.  
Dry bulk material applications, powders in hoppers, silo, bins.

Compatible with many bulk solids, powders, pelletized and granular applications.

### Principle:

Paddle type switch consist electro-mechanical assembly of Geared A.C. Motor, which drives a paddle

The absence of material allows motor to rotate the paddle uninterrupted. When the unit senses the material via the restricted rotation of the paddle, the reversing torque actuates the internal micro-switches fitted in the Housing and Alarms the unit, to give corresponding switching output signal.

### **Features:**

Simple but reliable switch for level control.

Specially designed motor, which does not burn under blocked rotor condition. Specially designed PTFE seal to prevent ingress of dust particles into main enclosure.

Suitable for Top Mounting. Available in Rope extensions.

### **Specifications:**

- Enclosure: Weather proof, Cast Aluminium, powder coated.
- Mounting: Screwed – 1 ½" BSP MS (standard) Optional On Request  
Ambient Temperature: 0 ° C to +70° C Mains Voltage: 230 V AC  
50 Hz.
- Power consumption: 2.2 VA, Motor: 1 RPM CW
- Output: 1 c/o contacts rated @ 10 Amps, 230 V AC for Resistive loads.
- Status display: 5 MM Green LED for Normal Running condition.
- Sense Probe: SS 304, 12 MM D Probe.
- Medium specific gravity min. 0.07 kg / dm<sup>3</sup>
- Probe Length: 150MM Standard. (Extension available on request.)
- Shaft extension: Min 75 mm, Max: 1500mm with protection pipe Special clutch design switch off the motor in immersed probe condition.
- Paddle: L Type/2 Vane/3 Vane/ Cizer, Paddles depending upon application/Request.
- Std. Operating Temperature: 75°C Max. (High temp. up to 250° C on Request)