

RF Admittance Level Switch

We are introducing our RF Admittance Level Switch to sensing liquid level in the various applications. Consists of a Sensing Probe with Electronic switching unit Integral with the Probe & Remote type.



Principle & Operation :

In this Sensing Probe construction there are three elements Sensing rod, SS Coated Shield and PTFE / Ceramic Insulation for Liquids & Solids applications. The combination of special electronics and coat guard technique provides immunity against material built-up on the Probe & Container Wall.

Silent Features :

- Easy to installation & calibration.
- With High Reliability of coat guard technique ignores material built-up on the probe.
- Suitable for Highly Dusty Environment Area.
- Adjustable differential time delay with ON/OFF timing .
- Fail Safe High/Low Selection Feature (Field Configurable).

Technical Specifications :

System Type	Integral Type / Remote Type
Construction Type	Standard / Heavy Duty / Flexible Type
Probe Length	Standard 300 mm to 3000 mm (Rigid Rod) / 500 mm to 5000 mm(Flexible)
Probe Type	Sensing Probe with Coat guard electrode
Sensing Probe & Coat Guard Material	SS304 / SS316
Insulation	PTFE (Up to 150°C) & Ceramic (Up to 500°C)
Process Temperature	Up to 120°C Integral Type & above 150°C stand off with Remote Type.
Enclosure	Cast Al WP IP 65 / Cast Al Flameproof
Process Conn. Type	Standard 1 ½" BSP Male
Process Conn. MOC	SS 304 / SS316
Supply Voltage	230VAC or 110VAC or 24V DC (Factory Selectable)
Contact Rating	DPDT Relay - 5 AMPS at 230VAC /24VDC
Safety operation	Fail Safe High/Low Selection Feature (Field configurable)

Construction :

Our product main features is **Probe Construction suitable for material built up.** Normal probe tends to fail when there is a build-up on the probe. Our special COAT Guard electrode senses the material build up on the probe by employing a special Build up sensing technology.

Applications :

It is used in widely applications like Cement, Sand, Lime, Soda Ash, Talcum powder, Milk / Chocolate powder, Coffee, Sugar, Salt, Resin Powder & Pellets, Fertilizer, Wheat, Flour, Rice, Barley, Butter, Iron Powder, Carbon Calcium, Slurry, Sludge, Sewage, Coal, Wax, Cream, Sodium, Carbonate, Ink, Alcohol, Beer, Waste Water, Syrup, Chromium Acid, Sesame.

Model Identification :

RFALS -

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1. Length in mm

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2. Media Type

Liquid	L
Solid	S
Slurry / Sludges / Powder	P

3. Construction Type

Standard	S
Heavy Duty	H
Flexible	F

4. Probe Material

SS304	4
SS 316	6
Other	O

5. Probe Encl x Control Unit Encl

Cast Al WP IP66	W
Cast Al WP IP66 X Cast Al WP IP66	Y
Cast Al Ex-Proof X Cast Al WP IP66	X

6. Process Connection

Threaded 1 ½" BSP Male	S
Flanged 2" Table D	R
Other	O

7. Standoff Material

Without	W
CS	C
SS 304	S

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