

RFLS 01

RF ADMITTANCE TYPE LEVEL SWITCH



Features

- Frequency Sweep for material type detection
- Compact design with two independent outputs
- Suitable for media distinction
- Liquid fork simulation requires no calibration
- Process temperature -40°C to 125°C
- Suitable for materials with di-electric constant $\epsilon > 1.5$
- Multicolor LED switch indicator
- Maintenance free
- PNP output

Description

Electronet series RFLS 01 is capable of faithfully detecting industrial fluids and powders using Frequency Sweep technology. Utilizing the resonance of electrical capacitance created by media di-electric and conductivity, RFLS 01 learns the signature of the media to be sensed and thus performs better than other level detection methods for fluids and powders.



Technical Specifications

Radiated signal	50- 300 MHz
Process connection	1" NPT, 1 ¼" NPT, 1 ½" NPT, 2" NPT, 1" BSP, 1 ¼" BSP, 1 ½" BSP, 2" BSP,
Process Temperature	-40°C to 125°C
Protection Class	IP-66, IP-68 (As per IS13947)
Media Pressure	Max. 100 Bar
Installation	Any position
Power Supply	18 to 36 V DC
Output (Active)	Max. 50mA and 100mA (configurable) short-circuit and high-temperature protected
Output Type	PNP Type
Output Polarity	No & NC
Off leak current	±20µA Max.
Reverse polarity protection	Yes
Reaction time	0.1 sec. (100 mS)
Repeatability	±1 mm
Cable	5 to 10 meters, 4 wire + shield
Certification	CE

Note : This product is meant for laboratory/Process application only and not for custody transfer application.

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