JERGUSON®
A Product of Clark-Reliance

Model RST2 Reed Switch Transmitter

How It Works –Reed Switch Transmitter

The RST2 combines precision and simplicity with two main components: the Sensor and Transmitter. The sensor features a chain of magnetic reed switches and resistors inside rugged stainless steel tubing. As the float moves with liquid level changes, it triggers the reed switches, generating a varying resistance signal. The RST2 Transmitter interprets this signal and outputs a 4–20 mA signal proportional to the liquid level—delivering reliable, real-time monitoring for your system.

Jerguson Magnicator RST2 Reed Switch Transmitter

Key Features

- **Zero Contact with Process** – Ensures safe, reliable operation without direct exposure.
- **Effortless Installation** – Installs quickly without taking the Magnicator® II offline.
- **Explosion-Proof and Water-Tight** – Engineered for the most demanding environments.
- **Certified Safety Classes** – Available in CL.1 GR. B, C, D–CL.II GR. E, F, G for peace of mind.
- **RFI Interference Resistant** – Maintains accurate readings even in high-noise environments.
- **Flexible Wiring Options** – Choose from 2, 3, or 4 wire configurations to suit your setup.
- **Optional 3 ½" LCD Display** – Provides intuitive, at-a-glance monitoring.
- **4–20 mA Loop Power** – Standard industrial output for seamless integration.

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Ordering Information

Part Number Designation

RST2 ## # ### #

CHAMBER SIZE (NPS):

4 = 1.5” 5 = 2.0”
6 = 2.5” 7 = 3.0”
9 = 4.0” A = 5.0”

MAX SENSING LENGTH: 12” - 264”

IN 6” INCREMENTS (EXAMPLE: 24” = 024)

RESOLUTION:

2 = 1/2”

CERTIFICATION:

UC = CLASS I, DIV 1 APPROVED (US/CAN)

Specifications

RST Sensor

Length:	Up to 20 Feet (6 meters)
Resolution:	1/2 inch (13mm)
Housing:	Stainless Steel
Operating Temp.:	to 500ºF (Process Temp.) (260ºC)

RST Transmitter

Output Limits:	3.8mA to 26 mA
Amb. Temp. Range:	-20ºF to 180ºF (-29ºC to 82ºC)
Response Time:	300 ms
Housing:	Proof and water tight Epoxy powder coat finish NEMA 4X and NEMA 7X CL. 1 GR. B,C,D-CL. II GR. E,F,G UL Standard: 1203 FM Standard No. 3615 CSA Standard C22.2 No. 30

Power Requirements

2-Wire Loop Powered	24 VDC nominal, 50 VDC Max.
3-Wire Low Power	8 VDC to 36 VDC @ 6 mA
4-Wire AC Power	115 VAC-Standard 230 VAC-Optional