JERGUSON®
A Division Of The Clark-Reliance Corporation

Specialists in Liquid Level Indication

MAGNICATOR® II
Level Transmitter
Model RST2

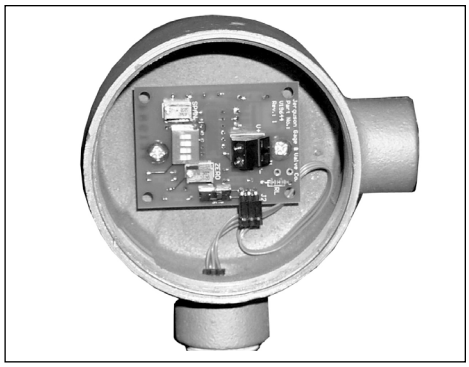
Section: M100
Bulletin: M100.22
Date: 1/1/99
Supercedes: NEW

- **No Contact with Process**
- **Easy Installation - Can be Installed Without Taking the Magnicator® II Out of Service**
- **Explosion Proof/Water Tight**
- **CL.1 GR. B,C,D-CL.II GR. E,F,G**
- **RFI interferance resistant**
- **Choice of 2, 3, or 4 Wire**
- **Optional - 3 1/2 LCD Display**
- **4-20 mA Loop Power**



The Jerguson® Magnetic Reed Switch Transmitter (RST2) is a level sensing device designed for use with the Magnicator® II magnetic liquid level gage. The purpose of the RST2 transmitter is to provide a remote signal for level indication and/or control.

The RST2 consists of two components, the **Sensor and Transmitter.** The RST2 sensor is a chain of magnetic reed switches and resistors mounted within a heavy wall stainless steel tubing assembly. As the float within the Magnicator®II responds to liquid level change in the chamber, the float actuates adjacent reed switches. The reed switch and resistors provide a varying resistance output. It is this output that is sensed by the RST2 Transmitter, as an indication of liquid level. The RTS2 transmitter will provide a 4-20 mA signal proportional to the liquid level indicated by the Magnicator®II.



Level Transmitter Model RST2

HOW TO ORDER

RST2-4/20-[ ][ ][ ]

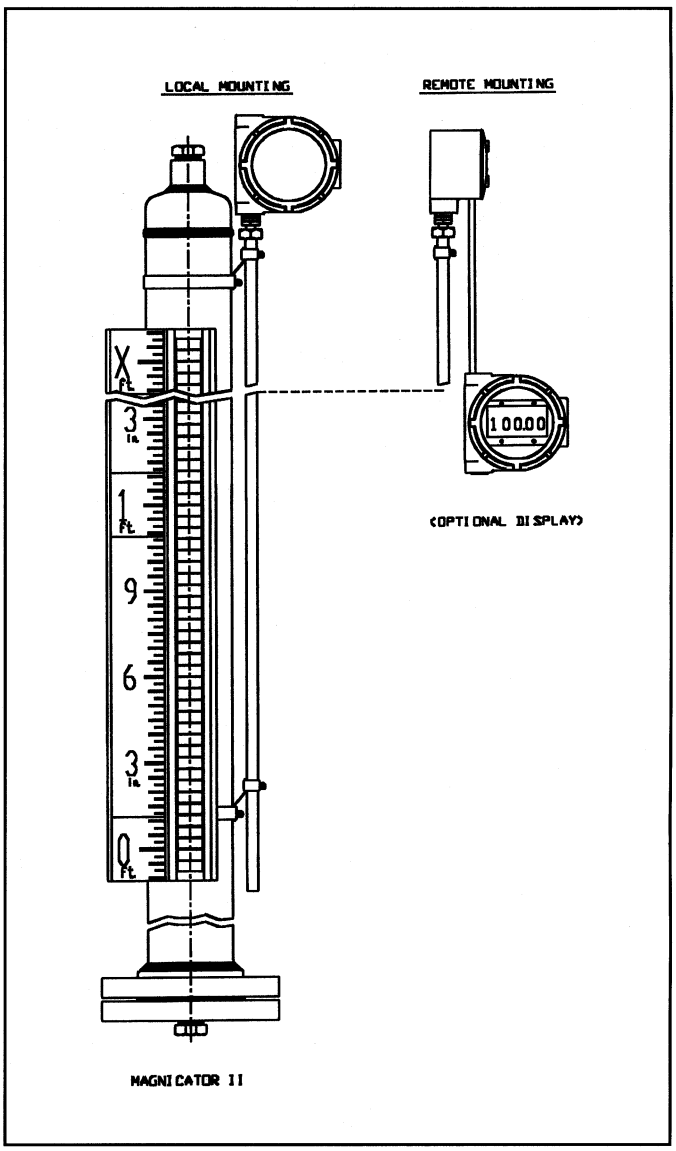
Sensor Length

Electrical Requirements

2	2-Wire (Loop Powered)
3	3-Wire
4	4-Wire

Options

R	Remote Transmitter
D	Digital Indicator



Specifications

RST Sensor

- Length: Up to 20 Feet (6 meters)
- Resolution: 1/2 inch (13mm)
- Housing: Stainless Steel
- Operating Temp.: to 500°F (Process Temp.) (260˚C)

RST Transmitter

- Output Limits: 3.8mA to 26mA.
- Amb. Temp. Range: -20°F to 180°F (-29˚C to 82˚C)
- Response Time: 300 ms
- Housing: Exp. 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

Authorised Distributor:

NATIONWIDE OIL & GAS

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ISO 9001 REGISTERED Clark-Reliance

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