

ROI

ROI LOOP POWERED THERMISTOR TRANSMITTER

The ROI-XMA series is a versatile family of loop powered 4-20mA transmitters with built in sensor excitation. Signal range can be scaled within Thermistor temperature range of -30 to 100°C (-22 to 212°F). Transmitter supply voltage may be from 7.5 to 36Vdc. Output circuit is reverse connection protected and filtered.

- PLUGGABLE EURO ELECTRICAL CONNECTORS
- SNAP ON MOUNTING BASE FOR DIN RAIL OR SURFACE MOUNTING
- WIDE 4-20mA LOOP SUPPLY RANGE FROM 7.5 to 36V
- USED IN REMOTE MONITORING
- MEASURE 10K OHM INDUSTRY STANDARD NTC THERMISTORS



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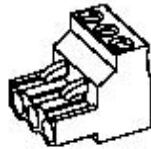
rev e2

Specifications:

- MOUNTING: 35mm DIN rail or surface mountable snap on base
- SUPPLY RANGE: 7.5 TO 36Vdc
- SIGNAL OUTPUT: 4-20mA (LOOP POWERED)*
- CONNECTIONS: 2 per unit, 1 input & 1 output
plug in top entry connectors,
screw clamp stripped wire connection
30-12awg wire
- INPUT RESISTANCE RANGE: 670 to 177K ohm*
- INPUT TYPE: 10K OHM NTC 2 WIRE THERMISTOR
- RESPONSE: <10mS
- DIMENSIONS: 4.510 X 1.258 X 3.948” (height above rail) lwh**

*4-20mA signal tracks input resistance, not temperature;
temperature measurement is a function of the thermistor resistance.

**Mated connector adds additional 3/8” to height.



Pluggable
Connection



Snap On Mounting

10Kohm Thermistor to 4-20mA 2 wire loop powered transmitter

HOW TO ORDER

Part Number	Description
ROI-10KXMAN30100C	<i>4-20mA 10K NTC Thermistor Transmitter</i> -30 to 100°C (-22 to 212°F)