

# ROI

## ROI-XMA SENSOR 4-20mA TRANSMITTER

The ROI-XMA series is a versatile family of loop powered 4-20mA transmitters with built in sensor excitation. Versions can be provided for sensor resistance span, between 0-1K $\Omega$  and 0-10K $\Omega$  resistance. 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 7.5-36V
- USED IN REMOTE MONITORING
- MEASURE 10K $\Omega$  NTC INDUSTRY STANDARD THERMISTORS
- READ THERMISTORS, RTDS, & POTENTIOMETERS WITH PLCs, RTU, & PC A-D SYSTEMS
- USE WITH 20mA, 5V, & 10V MEASUREMENT SYSTEMS\*



**Manufactured By:**  
**Robert Owen Inc.**  
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### Specifications:

MOUNTING: 35mm DIN rail or surface mountable snap on base

SUPPLY RANGE: 7.5 TO 36Vdc

SIGNAL OUTPUT: 4-20mA (LOOP POWERED)\*\*

CONNECTIONS: 30-12awg wire

INPUT RANGE: dependent on make and model

INPUT TYPE: resistance

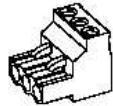
RESPONSE: <10mS

DIMENSIONS: 4.510 X 1.258 X 3.948" (height above rail) LWH \*\*\*

\* Loop termination resistor required when used with voltage ADC

\*\* 4-20mA signal uses a 2 wire connection. Transmitter output is connected in series, with supply and measurement device.

\*\*\* Mated connector adds additional 3/8" to height



Pluggable  
Connection



Snap On Mounting

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## ROI-XMA SENSOR 4-20mA TRANSMITTERS

### ROI-XMA 10K NTC THERMISTOR 4-20mA TRANSMITTERS

#### HOW TO ORDER

Part Number	10K $\Omega$ (25°C) NTC Thermistor Range
ROI-10KXMAN1050C	-10 to 50°C
ROI-10KXMA050C	0 to 50°C
ROI-10KXMAN1075C	-10 to 75°C
ROI-10KXMA075C	0 to 70°C

### 100 $\Omega$ (PT100) & 1K $\Omega$ (PT1000) Platinum RTD to 4-20mA 2 wire loop powered transmitters

#### HOW TO ORDER

Part Number	RTD / Range
ROI-100RXMAN200500C	PT100 / -200 to 500°C
ROI-1000RXMAN200500C	PT1000 / -200 to 500°C

### Potentiometer to 4-20mA 2 wire loop powered transmitter

#### HOW TO ORDER

Part Number	Potentiometer Range
ROI-25XMA01KP	0 – 1K $\Omega$
ROI-25XMA02KP	0 – 2K $\Omega$
ROI-25XMA05KP	0 – 5 K $\Omega$
ROI-25XMA010KP	0 – 10 K $\Omega$

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