

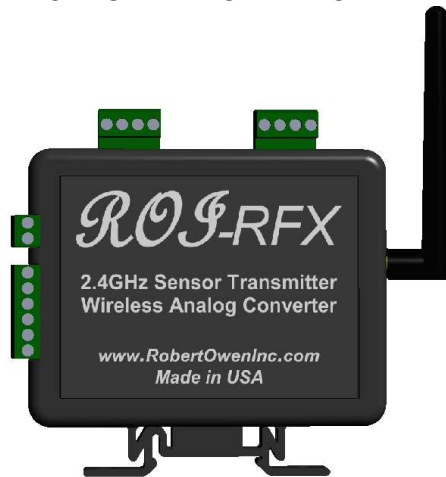
ROI

ROI-RFX-RT

WIRELESS REMOTE TEMPERATURE MONITORING SYSTEM

ROI-RFX-RT is a simple to use Windows compatible 2.4 GHz RF remote temperature transmitter system. Using the ROI-RFX-RT allows you to; remotely monitor & record temperature over distances of up to 1 mile (1.6 km), using industry standard 10K ohm NTC thermistors. Remote temperature measurement or temperature profile recording is simple; data can be updated real time directly into Excel. Total transmission distance can be extended with additional units, as well as allowing an increased number of sensors.

- 2.4 GHz TEMPERATURE TRANSMITTER
- WIRELESS ANALOG CONVERTER
- PLUGGABLE CONNECTORS
- SNAP ON MOUNTING BASE FOR RAIL OR SURFACE MOUNT
- CAN BE POWERED BY WIDE RANGE OF DC SOURCES, 7-36V
- USEFUL FOR REMOTE TEMPERATURE TREND MONITORING
- SIMPLE TO USE EXCEL SAMPLE SPREADSHEET



*Monitor 4 thermistor temperature sensors per unit.
Multiple units per system, expandable as needed.*

Robert Owen Inc.
PO Box 227, Albertson, NY 11507 USA
<http://www.robertoweninc.com>
516-629-5134

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Specifications:

Input range: -50 to 120°C/-60 to 300°F

Input: 4 sensors, 10K ohm NTC Thermistors

Sensor Connections: 2 per input, 2 inputs per connector

Resolution: 10 bit

Power: 7-36Vdc

PC Communications: Serial, Excel add in provided with USB adapter option

Mounting: 35mm DIN Rail or Surface mountable snap on base

Dimensions: 4.510 X 1.258 X 3.948"LWH, mated connector adds additional 3/8" (height above rail)

System Configuration: 2 unit minimum, 8 unit maximum

Range: Indoor/Urban up to 300 ft/90 m, Outdoor line-of-sight up to 1 mile/1.6 km

Transmit Power Output: 63 mW (+18 dBm)

Receiver Sensitivity: -100 dBm

Wireless Transmission: 2.4 GHz ISM frequency band, optimized for use in US and Canada

Compatible Operating Systems: Windows XP/7/8

Minimum Configuration:

(1) RFX-USB adapter, (2) ROI-RFX units, (1) PC with Excel, (2) DC supplies, & (1) Thermistor



Pluggable
Connection

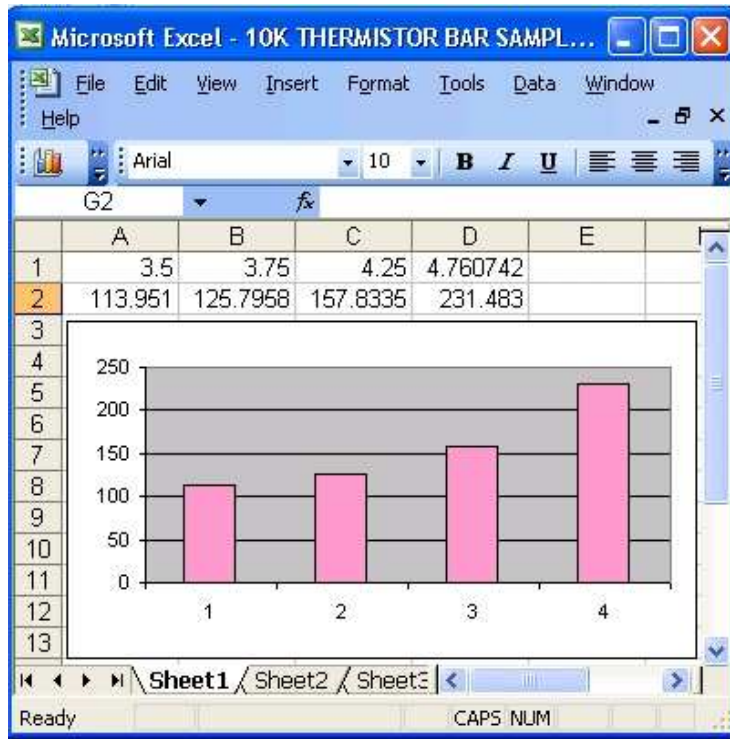


Snap On Mounting

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Windows compatible, Excel add in software allows simple installation & operation

HOW TO ORDER

Part Number	Range
ROI-RFX-RT	10K ohm NTC thermistor
RFX-USB-SER	USB to serial 1 m cable and Excel add in
ROI-10K-EB	NTC 10K Encapsulated Bead Thermistor
ROI-10K-CP	NTC 10K Copper Probe Thermistor

Order Example: (1) ROI-USB-adaptor, (2) ROI-RFX-Thermistor, (4) ROI-10K-EB
[PC with Excel & (2) DC supplies purchased separately]

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