RT2630

NEMA 4X

Standard

Input Module, 4 Digital Inputs, 4 Analog Inputs

The RT2630 is an input concentrator with four (4) analog inputs and four (4) digital inputs (dry contact) that is designed to take signals from a wired device and convert them into a wireless signal, which is transmitted to an RM2432D receiver. The RM2432D then outputs the analog/digital signal to a DDC. The RT2630 also works with the MOD9200, BACnet, Modbus, or LONworks protocol transceiver to send the data directly to a BAS. This eliminates the need and expense of running new wire and conduit. The RT2630 can be powered with a Duracell DL123 3V lithium battery or 24 VAC. The analog inputs can be a 20K thermistor (RT2630A), 0-10V (RT2630B), or 0-20mA (RT2630C) and is available with standard or NEMA 4X enclosure (indicate options when ordering). Transmission distance in a typical building is 200-300 feet horizontal depending on the layout and construction of the building, and one floor above and one floor below the transceiver. Sensor distance and reliability can be increased with the addition of a RR2552B(s) repeater.

Applications: Alarm/Status Indications, Wireless On/Off Control Applications & Monitoring Existing Temperature Sensors
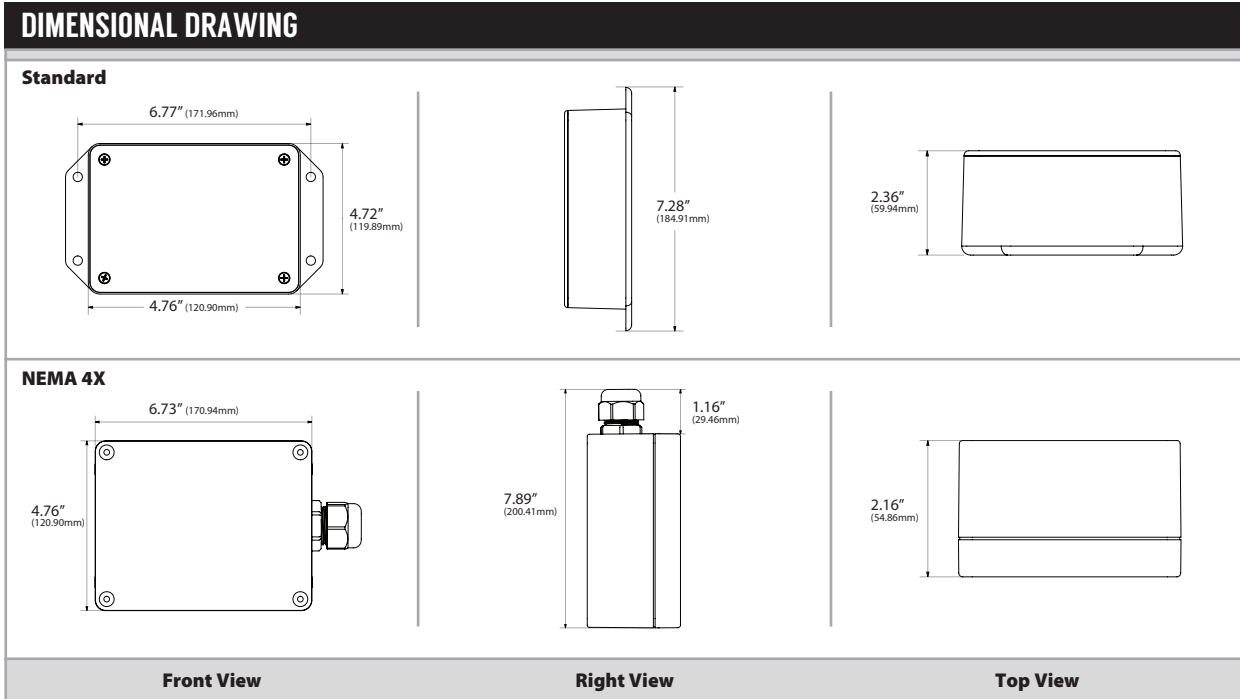
The RT2630 is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC (Full Wave Rectified)
	Battery: 1 (Duracell DL123A), Lithium 3V 1400 mAh
Battery Life:	2-3 years typical
Connections:	Screw Terminal Blocks
Wire Size:	16 AWG (1.31 mm²) to 26 AWG (0.129 mm²)
Terminal Block Torque Rating:	0.37 ft-lb (0.5 Nm) Nominal
Operating Temperature Range:	14 to 140ºF (-10 to 60ºC)
Operating Humidity Range:	30 to 50% RH, Non-condensing
Storage Temperature Range:	-4 to 176ºF (-20 to 80ºC), 70% RH max
Analog Inputs:	Four (4) 20K Thermistor, (4) 0-10 VDC or (4) 0-20 mA
Digital Inputs:	Four (4) Dry contact closures
Data Protocol:	IEEE 802.15.4-2003/2006
RF Characteristics:	900 MHz, Operating Frequency 10 channels between 902 – 928 MHz
	Transmitter Power: 11 dBm │ **Receiver Sensitivity:** -11 dBm
Transmission Distance:	200 – 300 ft horizontally depending on building type and constructions, and typically one floor above and below the transceiver vertically
Data Transmission ¹:	75 seconds (default) │ 10, 30, 180 (3 minutes) or 300 seconds (5 minutes) (optional)
Enclosure Material │ Flammability Rating:	**Standard:** ABS Plastic │ UL94 5VA │ **NEMA 4X:** Polycarbonate Plastic │ UL94 HB
Product Dimensions:	**Standard:** (L) 7.28" (184.91 mm) x (W) 4.72" (119.89 mm) x (H) 2.36" (59.94 mm)
	NEMA 4X: (L) 6.73" (170.94 mm) x (W) 4.76" (120.90 mm) x (H) 2.16" (54.86 mm)
Product Weight:	**Standard:** 1.65 lbs (0.75 kg) │ **NEMA 4X:** 1.67 lbs (0.76 kg)

Note ¹: Transmission Interval for battery powered is not to be less than 75 seconds

Automation Components, Inc.

DIMENSIONAL DRAWING

Standard

6.77" (171.96mm)

4.72" (119.89mm)

4.76" (120.90mm)

7.28" (184.91mm)

2.36" (59.94mm)

NEMA 4X

6.73" (170.94mm)

4.76" (120.90mm)

1.16" (29.46mm)

7.89" (200.41mm)

2.16" (54.86mm)

Front View	Right View	Top View

STANDARD ORDERING

Model # Example: **RT2630A-AC** -OR- **130225**

Model #	Item #	Description
RT2630A-AC	130225	4 Digital/Analog Resistive Input Concentrator (20K Ohm Thermistor), Standard Enclosure
RT2630B-AC	130227	4 Digital/Analog Voltage Input Concentrator (0-10 VDC), Standard Enclosure
RT2630C-AC	133652	4 Digital/Analog Current Input Concentrator (0-20 mA), Standard Enclosure

CUSTOM ORDERING

Model # Example: **RT2630A** **AC** **300**
A.   B.   C.

MODEL #

		MODEL #
A. Sensor Series *Select One (1)*	**RT2630A** = 4 Resistive Inputs (20K Ohm Thermistor), Standard Enclosure (Default) **RT2630AE** = 4 Resistive Inputs (20K Ohm Thermistor), NEMA 4X Enclosure **RT2630B** = 4 Voltage Inputs (0-10 VDC), Standard Enclosure (Default) **RT2630BE** = 4 Voltage Inputs (0-10 VDC), NEMA 4X Enclosure **RT2630C** = 4 Current Inputs (0-20 mA), Standard Enclosure (Default) **RT2630CE** = 4 Current Inputs (0-20 mA), NEMA 4X Enclosure	
B. Power *No Selection Required*	**AC** = 24 VAC or Battery	**AC**
C. Transmission Interval *Select One (1)*	**10** = Every 10 Seconds* | **30** = Every 30 Seconds* | **----** = Every 75 Seconds (default) **180** = Every 180 Seconds | **300** = Every 300 Seconds	

Note *: Transmission Interval for battery powered is not to be less than 75 seconds

Call: 1-888-967-5224 | Web: www.workaci.com

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