



Input Module

Input Module
NEMA 4X Enclosure

RT2630

Wireless Digital & Analog Sensor Input Module

The RT2630 wireless remote Analog & Digital Sensor Input Concentrator accepts digital and analog sensor or control inputs and transmits wirelessly to the receiver. It can be used for remote alarm or status indications and wireless on/off control applications. The RT2630 can be used with any Meshnet900™ or MOD9200 Series Transceiver, before linking directly to your DDC system. The maximum radio transmission distance is dependent on building architecture and layout. The maximum open air transmission distance is one mile. In a typical commercial building with steel I-beam construction, concrete floors with reinforcing rods, and metal stud walls, it can be expected that transmissions will penetrate vertically one floor above and below the location of the sensor and horizontally through 200 to 500 feet of walls, furniture and air.

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 web site, www.workaci.com.



SPECIFICATIONS

Input Voltage	Battery: Size:2/3A, Type: Lithium 3.0V 1400 mAh (Duracell DL123A), 24 VAC or 24 VDC
Digital Inputs (4)	Dry Contact Closure
Analog Inputs (4)	(4) 20K Ω or (4) 0-10 VDC or (4) 0-20 mA
Transmitter Characteristics	Operating Frequency: 902-928 MHz Transmitter Power: 11 dBm Receiver Sensitivity: -110 dBm
Open Field Range	One Mile (line of sight)
Data Transmission Interval	75 seconds (standard); See options for alternative intervals
Operating Temperature Range	32 to 140°F (0 to 60°C)
Operating Humidity Range	5 to 95%, non-condensing
Product Dimensions	Standard Housing: (L) 6.13" (W) 4.62" (H) 2.25" NEMA 4X Housing: (L) 6.73" (W) 4.76" (H) 2.17"

ORDERING

Please select one Wireless Device (A), one Power Option (B) & one Transmission Interval (C). **NOTE:** Battery power should not be used with 10 or 30 second interval devices.

A Wireless Device	B Power	C Intervals
☐ RT2630A (4 Resistance Inputs) (20K Ohms)	☐ AC (24 VAC or Battery)	☐ 10 (Every 10 Seconds)
☐ RT2630AE (4 Resistance Inputs) (20K Ohms) (NEMA 4X Enclosure)	☐ DC (24 VDC or Battery)	☐ 30 (Every 30 Seconds)
☐ RT2630B (4 Voltage Inputs) (0-10 VDC)		☐ ---- (Every 75 Seconds)
☐ RT2630BE (4 Voltage Inputs) (0-10 VDC) (NEMA 4X Enclosure)		☐ 180 (Every 180 Seconds)
☐ RT2630C (4 Current Inputs) (0-20 mA)		☐ 300 (Every 300 Seconds)
☐ RT2630CE (4 Current Inputs) (0-20 mA) (NEMA 4X Enclosure)		

BUILD PART NUMBER

After completing (A), (B) & (C) from the above table, fill in the Part Number Table below. The "Sensor Series" is a factory default. An example part number is offered.

A	B	C
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EXAMPLE: RT2630A - AC

Once the location has been determined, mount the RT2630 remote transmitter on a wall using four #8 screws. Determine if the RT2630 remote transmitter will be powered by 24 VAC or by batteries on a permanent basis.

For 24V Operation, if the device is to be powered by 24V (AC or DC), connect 24V to the input terminals using 20 AWG wire. Wire size for inputs is 20 AWG

For Battery Operation, if the device is to be powered using the optional DL123A batteries: remove the voltage selection jumper and reposition it for battery operation.

The device is shipped with the voltage selection jumper installed in the 24V position. For proper operation it is important to use the correct type of battery. Size:2/3A, Lithium 3.0V 1400 mAh (e.g. Duracell DL123A) batteries. Installing the battery or applying 24 VAC will activate the transmitter.

Must use an interposing or isolation relay when using a solid state contact such as a MosFET, FET, or Triac. Failure to do so may damage the wireless transmitter.