RT2602

Wireless Digital Sensor Input Module

The RT2602 wireless remote Digital Sensor Input Module accepts a variety of digital sensor or control inputs and transmits wirelessly to the receiver. It can be used for remote alarm/status indications and wireless on/off control (wireless relay) applications. The RT2602 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. RR2552 signal repeaters can be installed as needed to increase transmission distance between sensors and receivers.

The RT2602 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)
Digital Inputs	(2) SPST Dry Contact Closure
Transmitter Characteristics	Operating Frequency: 902-928 MHz Transmitter Power: 11 dBm Receiver Sensitivity: -110 dBm
Open Field Range	One mile (line of sight)
Operating Temperature Range	14 to 140ºF (-10 to 60ºC)
Operating Humidity Range	5 to 95%, non-condensing
Data Transmission Interval	75 seconds
Product Dimensions	(L) 4.25" (W) 3.00" (H) 1.38"

ORDERING

Please select RT2602B as a Wireless Device (A).

A Wireless Device

○ **RT2602B** (Battery Powered Device with Two Digital Inputs)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: RT2602B

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 will activate the transmitter again.

Wire the sensor inputs to the appropriate terminals using 20 AWG wire. When using a solid state relay (FET/MOSFET) or a Triac, an external interposing or isolation relay must be used. Failure to do so may result in damage to the wireless transmitter.

To select the proper sensor location, first install and power the receiver. Insert the battery into the sensor, being sure to observe polarity. The Meshnet900™ system does not require any additional wireless equipment to determine the proper location of the sensors. While the sensor is attempting to connect to the receiver, the Data-Link LED will blink rapidly 8-10 times every 10 seconds. Once a connection has been established, the Data-Link LED will blink once. The Data-Link LED will continue to blink once for every successful data transmission. The data transmission rate, normally 75-second intervals, is programmed into the sensor. To manually initiate a data transmission, press the push button switch located by the negative terminal of the battery.

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.