



RM2402D

Spread Spectrum Output Receivers, Two Digital Outputs

The RM2402 wireless receiver utilizes reliable Spread Spectrum Mesh Network Radio technology. Together with other wireless sensors and controls, the system can be used to transmit remote sensor readings, status/alarm indications and control signals wirelessly. Up to two (2) separate wireless sensor transmitters can be used with one RM2402D. It can be used for remote alarm/status indications and wireless on/off control (wireless relay) applications. 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 RM2402D 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 Power	24 VAC 60 Hz, 300 mA (nominal)
Digital Outputs	(2) Pilot Duty Relay Dry Contact Closure, SPST N.O., 1A maximum at 24 VAC
RF 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	32 to 140°F (0 to 60°C) 900 MHz spread spectrum
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). Choose an Additional Configuration if desired (1).

A Wireless Device

- RM2402D** (Output receiver with four (4) analog output) (0-10 VDC or 0-5 VDC selectable) and four (4) digital outputs (relay contacts)
- RM2402DE** (Same as RM2432D) (NEMA 4X Enclosure)

1 Additional Configuration

- CK2432D** (Programmable cable required for RM2402D)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. (1) is an Additional Configuration. An example part number is offered.

A

EXAMPLE: RT2630A - AC

1

EXAMPLE: CK2432D

The RM2402 Receiver can be configured, using the RJ connector and the configuration software, to accept inputs from up to 2 wireless sensors. Refer to the TRS2432 Programmer Manual for configuration instruction.

Mount the RM2402 Receiver using four #8 screws (mounting dimensions see Figure 1). Using the RM2402 configuration information, connect the digital outputs to the appropriate control input terminals on the controller or contactor using 20 AWG wire.

Connect 24 VAC 60 Hz to the input terminals using 20 AWG wire. Check all connections before applying power to the unit.

Configuration software included.

ACI can program the system for a nominal fee. Please contact ACI for details.