



# RM2432D

## Spread Spectrum Output Receivers, Four Analog & Digital Outputs

The RM2432 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. It is compatible with any control systems or DDC panels that accept 0-10 VDC or 0-5 VDC inputs. Up to eight (8) separate wireless sensor transmitters can be used with one RM2432D. 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. If additional outputs are required, the EX2432D Output Expansion Module provides 4 additional analog outputs and 4 additional digital outputs when used in conjunction with the RM2432 Receiver.

The RM2432D 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](http://www.workaci.com).





**SPECIFICATIONS**

<b>Input Power</b>	24 VAC 60 Hz, 300 mA	
<b>Digital Outputs</b>	(4) Pilot Duty Relay Dry Contact Closure	Contact Rating: 1A at 24 VAC maximum
<b>Analog Outputs</b>	(4) 0 to 5 VDC or 0 to 10 VDC	
<b>RF Characteristics</b>	Operating Frequency: 902-928 MHz Transmitter Power: 11 dBm Receiver Sensitivity: -110 dBm	
<b>Open Field Range</b>	One Mile (line of sight)	
<b>Operating Temperature Range</b>	32 to 140°F (0 to 60°C)	
<b>Operating Humidity Range</b>	5 to 95%, non-condensing	
<b>Product Dimensions</b>	Standard Housing: (L) 7.62" (W) 4.62" (H) 2.25" NEMA 4X Housing: (L) 8.74" (W) 5.74" (H) 2.96"	

**ORDERING**

Please select one Wireless Device (A). Choose an Additional Configuration if desired (1).

**A** Wireless Device

- RM2432D** (Output receiver with four (4) analog output) (0-10 VDC or 0-5 VDC selectable) and four (4) digital outputs (relay contacts)
- RM2432DE** (Same as RM2432D) (NEMA 4X Enclosure)

**1** Additional Configuration

- CK2432D** (Programmable cable required for RM2432D)

**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: RM2432DE

**1**

EXAMPLE: CK2432D

The RM2432 Receiver can be configured to accept inputs from up to 8 wireless sensors. Refer to the RM2432D Configuration Manual for instruction.

Mount the RM2432 receiver as close to the controller as possible using four #8 screws. The maximum wiring distance for the analog outputs is 100 ft.

Using the RM2432 configuration information, connect the analog and digital outputs to the appropriate control input terminals on the controller using 20 AWG wire. The controller input connecting to the RM2432 should have a minimum analog input resistance of 20KΩ.

Always connect the Low Battery (or Lost Sensor) relay contact output to the appropriate alarm input on the controller.

Configuration software included.

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