Featured RD2432D Product

RD2432D

RD2432DE NEMA 4X

CK2432D

RD2432D

Remote Spread Spectrum Wireless Output Deivce

The RD2432 wireless output module utilizes reliable Spread Spectrum Mesh Network Radio technology. Together with other wireless transceivers (BACnet™, LonWorks™ & MODBUS), the system can be used to transmit remote control signals wirelessly. It is compatible with any control systems or DDC panels that accept 0-10 VDC or 0-5 VDC inputs. 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. Wireless transceivers or repeaters should be installed within 200 to 500 feet of the RD2432D output module. RR2552 signal repeaters can be installed as needed to increase transmission distance between transceiver and output modules.

The RD2432D 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 24 VDC, 300 mA nominal
Digital Outputs	(4) Pilot Duty Relay Dry Contact Closure Contact Rating: 1A at 24 VAC maximum
Analog Outputs	(4) 0–10 VDC or 0–5 VDC minimum controller input resistance should be greater than 20KΩ 100 ft.
RF Characteristics	Operating Frequency: 902-928 MHz Transmitter Power: 11 dBm Receiver Sensitivity: -110 dBm
Operating Temperature Range	32 to 140ºF (0 to 60ºC)
Operating Humidity Range	5 to 95%, non-condensing
Alarm Contact Rating	1A at 24 VAC maximum (one low battery/lost sensor alarm)
Product Dimensions	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

- ◯ **RD2432D** (Output module with 4 analog output) (0-10 VDC or 0-5 VDC selectable) and 4 digital outputs (relay contacts)
- ◯ **RD2432DE** (Same as RD2432D) (NEMA 4X Enclosure)

1 Additional Configuration

- ◯ **CK2432D** (Programmable cable required for RD2432D)

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: RD2432D

1

EXAMPLE: CK2432D

Mount the RD2432 Output module as close to the equipment or controller as possible using four #8 screws The maximum wiring distance for the analog outputs is 100 ft. Select 0-10 VDC or 5 VDC output by moving the J4 jumper.

Using the RD2432 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 RD2432 should have a minimum analog input resistance of 20KΩ.

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 1 minute 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.

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