

# RD2432D

## Output Module, 4 Digital Outputs, 4 Analog Outputs

The RD2432D is an output module that works with the MOD9200 series network transceivers to output four (4) analog 0-5 VDC/0-10 VDC and four (4) digital signals (dry contact) for wireless control of modulating actuators or wireless status indications. The network transceiver receives the wireless signal from the sensor/input concentrator and that data is sent to the BAS via RS-485. If the BAS determines an action is needed, it then sends the command to the transceiver and the transceiver sends that command wirelessly to the RD2432D, which then outputs either an analog or digital signal. Transmission distance in a typical building is 200-300 feet horizontal depending

on the layout and construction of the building, and one floor above and one floor below the transceiver. Sensor distance and reliability can be increased with the addition of a RR2552B(s) repeater.

**Applications:** Museums, Churches, Historical Buildings & New Construction

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 website, [www.workaci.com](http://www.workaci.com).

### PRODUCT SPECIFICATIONS

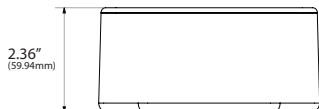
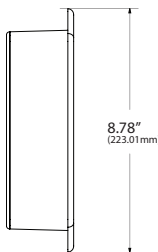
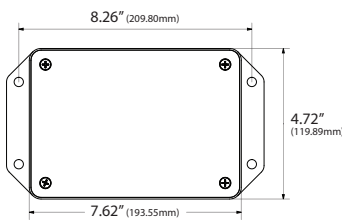
Supply Voltage:	24 VAC, 60 Hz (full wave rectified)
Supply Current:	300 mA
Connections:	Screw Terminal Blocks
Wire Size:	16 AWG (1.31 mm²) to 26 AWG (0.129 mm²)
Terminal Block Torque Rating:	0.37 ft-lb (0.5 Nm) Nominal
Operating Temperature Range:	32 to 140°F (0 to 60°C)
Operating Humidity Range:	30 to 50% RH, Noncondensing
Storage Temperature Range:	-4 to 176°F (-20 to 80°C), 70% RH
Data Protocol:	IEEE 802.15.4-2003/2006
RF Characteristics:	900 MHz, Operating Frequency 10 channels between 902 – 928 MHz <b>Transmitter Power:</b> 11 dBm   <b>Receiver Sensitivity:</b> -11 dBm
Transmission Distance:	200 – 300 ft horizontally depending on building type and constructions, and typically one floor above and below the transceiver vertically
Digital Outputs:	Four (4) SPDT Pilot Duty Relays, Dry Contact
Contact Rating:	1.0A, 30 VDC @ 104°F (40°C), 0.5A, 125 VAC @ 104°F (40°C) Resistive
Relay Durability:	<b>Mechanical:</b> 5,000,000 operations minimum @ 36K operations/hr <b>Electrical:</b> 100,000 operations minimum (under rated load @ 1.8K operations/hr)
Lost Signal Alarm:	(1) SPDT, Dry contact relay, 1.0A, 30 VDC @ 104°F (40°C), 0.5A, 125 VAC @ 104°F (40°C) Resistive
Analog Outputs:	Four (4) 0-5/10V jumper selectable
Enclosure Material   Flammability Rating:	<b>Standard:</b> ABS Plastic   UL94-5VA   <b>NEMA 4X:</b> Polycarbonate Plastic   UL94 HB
Product Dimensions:	<b>Standard:</b> (L) 8.78" (223.01 mm) x (W) 4.72" (119.89 mm) x (H) 2.36" (59.94 mm) <b>NEMA 4X:</b> (L) 8.74" (222.00 mm) x (W) 5.74" (145.80 mm) x (H) 2.96" (75.18 mm)
Product Weight:	<b>Standard:</b> 2.00 lbs (0.91 kg)   <b>NEMA 4X:</b> 2.46 lbs (1.12 kg)



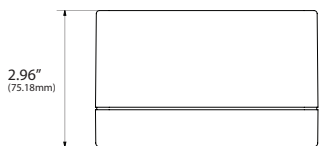
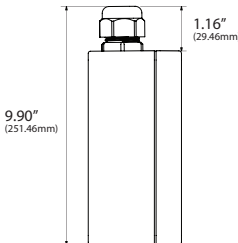
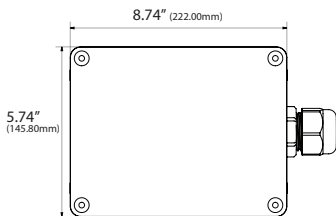


DIMENSIONAL DRAWING

Standard



NEMA 4X



Front View

Right View

Top View

STANDARD ORDERING

Model # Example: RD2432D -OR- 131059

Model #	Item #	Description
RD2432D	131059	Output Module with 4 Digital Outputs (Relay Contacts), 4 Analog Outputs (0-10 or 0-5 VDC) Standard Enclosure
RD2432DE	131060	Output Module with 4 Digital Outputs (Relay Contacts), 4 Analog Outputs (0-10 or 0-5 VDC), NEMA 4X Enclosure

**Note:** The RD2432D is designed to work with the MOD9200 Tranceivers only

