

EX2432D

Wireless Output Expansion Module

The EX2432D is an expander module designed for use with the RM2432D receiver to add sensors to a system. The EX2432D has four (4) analog and four (4) digital outputs and is powered by the RM2432D. A maximum of two (2) EX2432D expander modules can be added to the RM2432D for a total of 12 analog (0-5 VDC, 0-10 VDC) and 12 digital (dry contact) outputs. The sensors are programmed to the EX2432D using the configuration software (included), a laptop, and CK2432D programming cable. 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 EX2432D 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.

PRODUCT SPECIFICATIONS

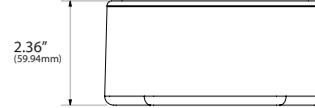
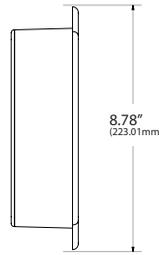
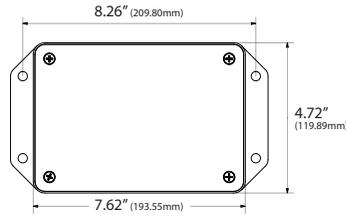
Supply Voltage:	24 VAC, 60 Hz (Full wave rectified) Supplied from RM2432D
Supply Current:	300 mA
Connections:	Screw Terminal Blocks
Wire Size:	16 AWG (1.31 mm ²) to 26 AWG (0.129 mm ²)
Terminal Block Torque Rating:	0.37 ft-lb (0.5 Nm) Nominal
Operating Temperature Range:	32 to 122°F (0 to 50°C)
Operating 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 Transmitter Power: 11 dBm Receiver Sensitivity: -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:	Mechanical: 5,000,000 operations minimum @ 36K operations/hr Electrical: 100,000 operations minimum (under rated load @ 1.8K operations/hr)
Lost Signal Alarm:	One (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
Configuration Software:	Included; Data registers need to be configured prior to use
System Requirements:	<ul style="list-style-type: none"> Laptop with Windows 98, XP, Vista, Windows 7 or Windows 10, Ethernet port, and 10GB memory Direct connection from PC to RM2432D using CK2432D serial to RJ11 programming cable (USB to serial adapter not provided by ACI) IP Address of PC must have static address of 192.168.0.2 or above
Enclosure Material Flammability Rating:	Standard: ABS Plastic UL94-5VA NEMA 4X: Polycarbonate Plastic UL94 HB
Product Dimensions:	Standard: (L) 8.78" (223.01 mm) x (W) 4.72" (119.89 mm) x (H) 2.36" (59.94 mm) NEMA 4X: (L) 8.74" (222.00 mm) x (W) 5.74" (145.80 mm) x (H) 2.96" (75.18 mm)
Product Weight:	Standard: 1.67 lbs (0.76 kg) NEMA 4X: 2.13 lbs (0.97 kg)



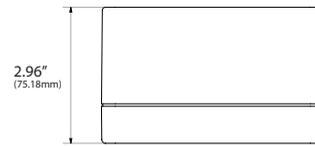
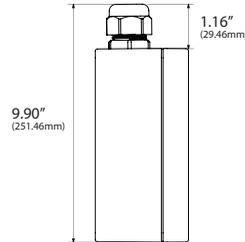
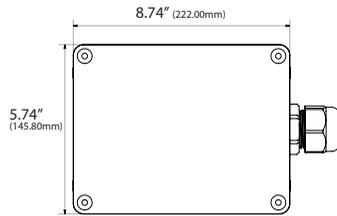


DIMENSIONAL DRAWING

Standard



NEMA 4X



Front View

Right View

Top View

STANDARD ORDERING

Model # Example: **EX2432D** -OR- **130696**

Model #	Item #	Description
EX2432D	130696	Expansion Module, Standard Enclosure
EX2432DE	----	Expansion Module, NEMA 4X Enclosure

ACCESSORIES ORDERING

Model # Example: **CK2432D** -OR- **130693**

Model #	Item #	Description
CK2432D	130693	Programming Cable for Wireless Receivers and Expansion Modules

