



Installation and Operation Instructions EX2432D Output Expansion Module For RM2432Receiver

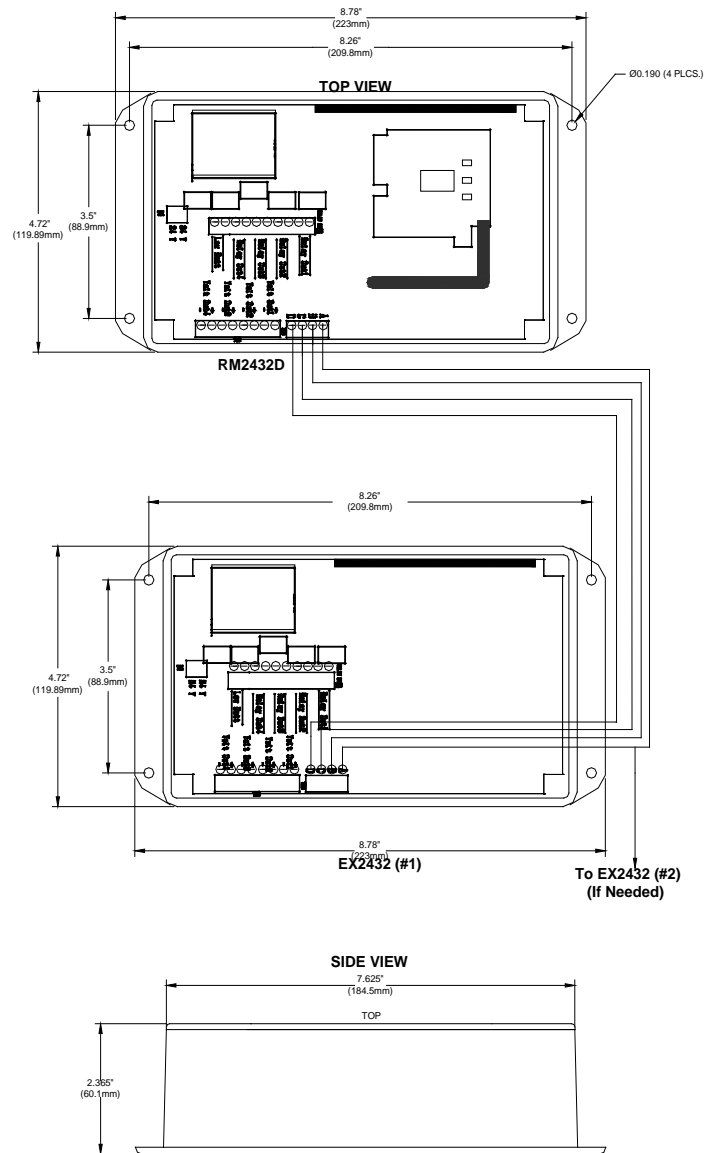


Figure #1

General Description

The EX2432D Output Expansion Module provides 4 additional analog outputs and 4 additional digital outputs to the RM2432D Receiver. These wireless devices utilize reliable Spread Spectrum Radio technology. Together with other ACI 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 0-10VDC or 0-5VDC inputs.

A maximum of 2 EX2432D can be used with one RM2432D receiver. Up to 12 analog outputs and 12 digital outputs when 2 EX2432D's are connected to the RM2432D Receiver.

Configuration

The RM2432D Receiver and the EX2432D Output Expansion Modules can be configured to accept inputs from up to 24 wireless sensors. Refer to the RM2432D Configuration Manual for instruction.

Installation

Wireless sensor transmitters should be installed within 200 to 500 feet of the RM2432D receiver.

RR2552 signal repeaters can be installed as needed to increase transmission distance between sensors and receivers.

Mount the EX2432D Modules next to the RM2432D receiver using four #8 screws (mounting dimensions see Figure #1). Connect the RM2432D and the EX2432D's using 4 wires (terminal A, B, C, & D. 2 wires are used for power and 2 wires are used for signals) as shown in Figure #1.

The RM2432D/EX2432D system should be located as close to the external controller as possible. The maximum wiring distance for the analog outputs is 100 ft.

Select 0-10VDC or 0-5VDC output by moving J4 jumper(see Figure #1 on RM2432D Installation Instruction).

Using the RM2432D configuration information, connect the analog and digital outputs to the appropriate control input terminals on the controller using 20AWG wire. The controller input connecting to the RM2432D should have a minimum analog input resistance of 20K Ohms.



CAUTION

Observe polarity when connecting analog outputs to the controller inputs.



CAUTION

**DO NOT USE THIS PRODUCT IN ANY SAFETY RELATED APPLICATIONS
WHERE HUMAN LIFE MAY BE AFFECTED.**

PRODUCT SPECIFICATIONS

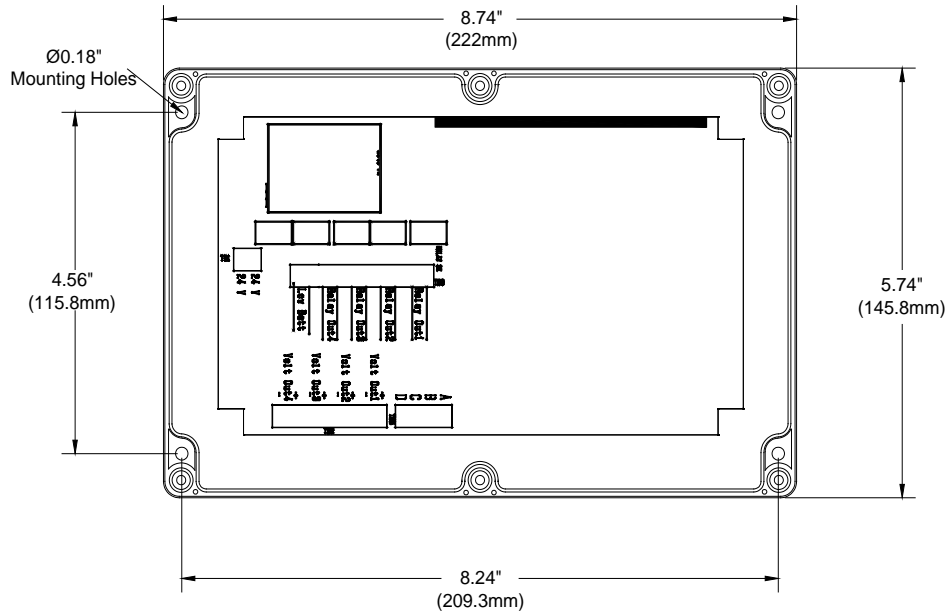
Supply	Voltage	Provided by the RM2432D Receiver
RF	Data Protocol	IEEE 802.15.4-2003/2006
	Operating Frequency	902-928 MHz
	Output Power	+11 dBm
	Receiver Sensitivity	-110 dBm
	Open Field Range	One mile (line of sight)
Outputs	Analog (4 qty)	0-10VDC or 0-5VDC
		Minimum controller input resistance greater then 20K Ohms
		100ft. maximum wiring distance to controller
	Digital (4 qty)	Pilot Duty Relay Contact Closure
		Contact Rating – 1 Amp @ 24VAC Max
Enclosure	Material	ABS (standard), Polycarbonate (Nema 4X)
	Rating	UL 94 5VA (standard), UL 94 HB (Nema 4X)
Environment	Operating Temperature	-40 to 150°F (-40 to 65°C)
	Operating Humidity	0 to 95% RH (non-condensing)
Approvals		FCC

WARRANTY SPECIFICATION

The ACI Wireless Series is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's web site: www.workaci.com.

EX2432DE

TOP VIEW



SIDE VIEW

