

Relay Closure Output

Status LEDs & Config Button

Quick and Easy validation of wiring and network

Control Relays, BCS Interfaces or any other contact closure needs with the Relay Closure Output

Terminal Blocks & Mounting Tabs

Faster, Easier and Lower Cost Installation eliminating connectors



External Antenna

Flexible antenna options if mounted in metal enclosures

Product Overview

Description

The Relay Closure Output Adaptor (RCO) Provides an output contact closure signal to drive output commands to external relays, building control systems, or any other use requiring contact closure output. RCO's are part of the Avi-on™ Bluetooth with Mesh product ecosystem supported by the Avi-on mobile app, commissioning tools, and cloud IoT Services.

Operation

The RCO requires 12~24VDC. The RCO will connect/disconnect the relay based on commands from the Avi-on Network including sensors, wall stations, and schedules. The high output 1A relay will support most high voltage control signals. The relay supports DC or AC up to 24Volts.

Applications

The RCO allows control of circuit level relays in control panels (AC or DC powered), external commands to building control systems, or other uses that need an on/off signal based on a command from the Avi-on Network.

Any output command from the Avi-on network can be directed to the RCO including motion sensors, wall stations, and schedules.

The RCO comes with an external antenna for flexible mounting options in metal enclosures.

Ordering Information

Part Number	Description	Application	Input Voltage
AVI-RCO-12-24VDC-OA	Relay Closure Output	Indoor	12 - 24 VDC

To order please contact Avi-on sales at **(877) AVION-US**, (877) 284-6687 or prosales@avi-on.com for information on becoming an Avi-on partner and order details.

Project		Location/ Type	
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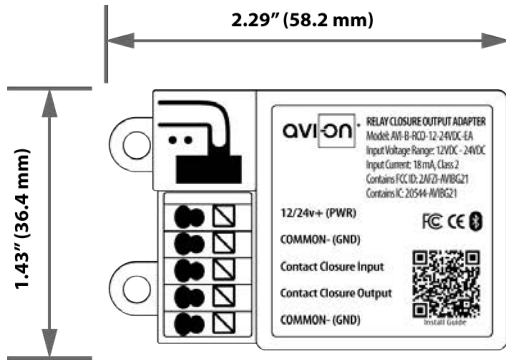
Specifications

Input Voltage: 12~24VDC
Current Draw: 25mA @12V, 30mA @24V
Mounting: Removable mounting tabs
Weight: 0.45 oz (16g)
Terminal Blocks: 22-16 AWG wires
Operating Temp: -30C to +65C (-22F to +149F) @24V
 -30C to +70C (-22F to +158F) @12V
Storage Temperature: -40C to +85C (-40F to +185F)
Humidity Rating: 95% non-condensing

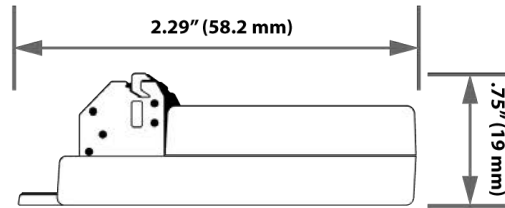
Radio Frequency: 2.4GHz
Wireless Standard: BLE 4.2 with Mesh
Point to Point Range*: 80ft with obstructions; 350ft unobstructed
ESD: IEC/EN 61000-4
Security: AES 128-bit encryption for device to device communication
 AES 256-bit encryption for device to cloud communication
Warranty: 5 years; 10 years optional
Regulatory: FCC: 2AFZI-AV11010 B
 IC: 20544-AV11010 B
 BQB: D031801, DID: 86303

* Note: Operating controller at or above these levels may result in damage to components/product

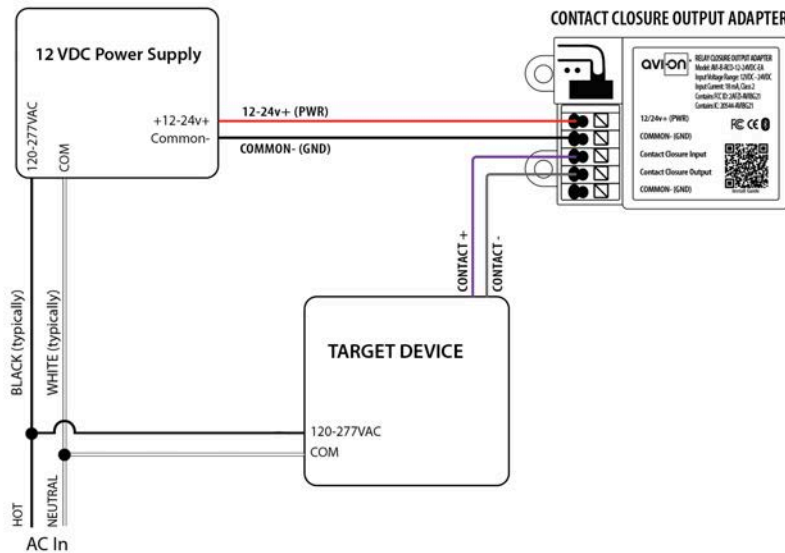
*When communicating through the mesh, range is essentially unlimited (5000ft+)



Dimensions



Wiring Diagrams



RCO powered by a 12-24vdc power supply. Connected to the target device using the isolated dry relay.

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