

# Control4® ZigBee IO



## Control4® ZigBee IO (C4-Z2IO, C4Z2IO-5PK)

Open it, close it, turn it on, turn it off—all without the wire. Automating a home's garage doors, window blinds, fireplaces, projection screens, televisions, AV receivers, and a variety of other devices just got a lot easier to do—and in a lot less time. And all without the wire.

Get the job done using Control4's ZigBee IO. This easy-to-install solution can be configured to provide a combination of two relays or up to four contact sensors. Additionally, it provides two IR outputs, one magnetic contact sensor, and one temperature and humidity sensor, all packed into a single, small device. The ZigBee IO expands your Control4 home's automation capabilities, controlling devices in the home theater or garage, and anywhere inside and outside the home, with standard Control4 System Remote Controls, touch screens, or keypads.

The ZigBee IO is compact and installs easily. Discreetly placed, the ZigBee IO can provide control of a television and AV receiver using its IR outputs or can be an excellent solution for detecting open and closed states or activating a garage door or gate.

Complete Control4 system integration—The ZigBee IO also includes an internal magnetic contact sensor that wirelessly integrates into Control4 systems. To trigger the sensor, you can use any standard door or window sensor magnet.

A built-in temperature and humidity sensor adds remote temperature- and humidity-sensing capabilities. This gives Control4 systems additional automation features and capabilities based on indoor or outdoor temperature events. The ZigBee IO functions appear in Control4 Composer projects as relays, contact sensors, and IR outputs that you can trigger and monitor to control events and take action throughout the Control4 system based on commands or other events.

- IR × 2 (control up to 4 IR devices)
- 5 contacts (4 on terminal block plus internal magnetic contact switch)
- 2 relays
- Configurable options for contacts and relays:
  - Option 1: 2 relays (SPST)
  - Option 2: 4 contacts
  - Option 3: 1 relay (SPST), 2 contacts
  - Option 4: 1 relay – SPDT
  - Option 5: 1 relay - DPST
- Temperature and humidity sensing
- Internal antenna
- Powered via micro USB or via terminal block with external power supply

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### Specifications

Model number	C4-Z2IO (single) C4Z2IO-5PK (5-pack)
System requirements	
Control4 OS system requirements	OS version 2.10.0 or greater
Control4 system integration	Each installed ZigBee IO adds sensor and input connections to the Composer project.
Driver	The ZigBee IO (C4-Z2IO) is available in the Composer Online Driver Database.
Communication	
Networks supported	Control4 ZigBee Pro mesh networking protocol, based on the IEEE 802.15.4 ZigBee standard
ZigBee data rate	250 kbps
ZigBee frequency range	2.405 - 2.475 GHz
Connections	
Contact sensor input	4 inputs, accepts AWG 16-28, common ground connection.
Relay terminal ratings	0.5A @ 50V, 1A @ 24V or less
External thermistor	1 thermistor input, sold separately. See "Accessories"
Infrared	2 × 3.5 mm IR ports
Integrated features	
Internal contact	Internal magnetic reed switch Requires external magnet, sold separately
Integrated internal thermistor	Internal thermistor can be used for local temperature sensing: 32°F to 104°F (0°C to 40°C)
Integrated humidistat	Can measure local humidity from 5% to 90%.
Power	
Power consumption	100mA at 12V, fully active
External low-voltage power supply	Micro USB power supply (included) AC/DC 5-24V (optional)
Other	
Available colors	Black (water-based paintable enclosure)
Dimensions (L × W × H)	3.1" (78.7 mm) × 2.6" (65.7 mm) × 1.05" (26.6 mm)
Weight	2.5 oz. (70.9 grams)
Environmental	Temperature: Operational 32°F to 104°F (0°C to 40°C) Storage -20°F to 158°F (-29°C to 70°C) Humidity 5% to 95% non-condensing This device is <i>not</i> waterproof and must be kept out of direct contact with water. The product must <i>not</i> be immersed.
Paintable enclosure	The cover assembly plastics are paintable with any water-based residential paints. <i>Do not clog the cover assembly vent holes with paint.</i>
Accessories	
External thermistor	ZCA-EXT10A, AC-DOTS1-W, AC-PMT51-W

