

# Control4® ZigBee IO



## Control4® ZigBee IO (C4-Z2IO, C4-Z2IO-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.

Create a stronger, wider, and more robust ZigBee mesh network than ever before using the ZigBee IO. Eliminate any network “dead spots” by increasing the reach and density of your ZigBee mesh. Improve ZigBee signal latency and provide your customers with higher reliability and responsiveness as they use the devices connected to their ZigBee mesh network.

- 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
- ZigBee network range extender

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## Specifications

<b>Model number</b>	C4-Z2IO (single) C4-Z2IO-5PK (5-pack)
<b>System requirements</b>	
<b>Control4 OS system requirements</b>	OS version 2.10.0 or greater
<b>Control4 system integration</b>	Each installed ZigBee IO adds sensor and input connections to the Composer project.
<b>Driver</b>	The ZigBee IO (C4-Z2IO) is available in the Composer Online Driver Database.
<b>Communication</b>	
<b>Networks supported</b>	Control4 ZigBee Pro mesh networking protocol, based on the IEEE 802.15.4 ZigBee standard
<b>ZigBee data rate</b>	250 kbps
<b>ZigBee frequency range</b>	2.405 - 2.475 GHz
<b>ZigBee routing table</b>	32 nodes
<b>Connections</b>	
<b>Contact sensor input</b>	4 inputs, accepts AWG 16-28, common ground connection
<b>Relay terminal ratings</b>	0.5A @ 50V, 1A @ 24V or less Contact resistance: 30-40 milliohms
<b>External thermistor</b>	1 thermistor input, sold separately. See "Available accessories" below
<b>Infrared</b>	2 × 3.5 mm IR ports
<b>Integrated features</b>	
<b>Internal contact</b>	Internal magnetic reed switch Requires external magnet, sold separately
<b>Integrated internal thermistor</b>	Internal thermistor can be used for local temperature sensing: 0°C to 40°C (32°F to 104°F)
<b>Integrated humidistat</b>	Can measure local humidity from 5% to 90%.
<b>Power</b>	
<b>Power consumption</b>	100mA at 12V, fully active
<b>External low-voltage power supply</b>	Micro USB power supply (included) AC/DC 5-24V (optional)
<b>Other</b>	
<b>Available colors</b>	Black (water-based paintable enclosure)
<b>Dimensions (L × W × H)</b>	78.7 mm × 65.7 mm × 26.6 mm (3.1" × 2.6" × 1.05")
<b>Weight</b>	70.9 grams (2.5 oz.)
<b>Environmental</b>	Temperature: Operational 0°C to 40°C (32°F to 104°F) Storage -29°C to 70°C (-20°F to 158°F) 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.
<b>Paintable enclosure</b>	The cover assembly plastics are paintable with any water-based residential paints. <i>Do not clog the cover assembly vent holes with paint.</i>
<b>Available accessories</b>	
<b>External thermistor</b>	ZCA-EXT10A, AC-DOTS1-W, AC-PMT51-W

