

WIRELESS CONTACT RELAY

Open it, close it, turn it on, turn it off. All without the wire.

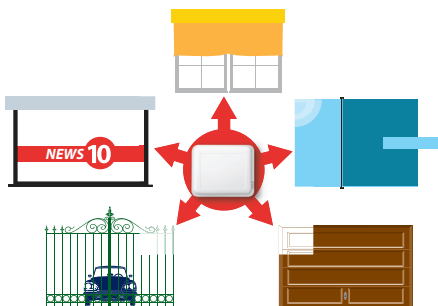
Automating a home's garage doors, window blinds, projection screens, fire places, and a variety of other devices just got a lot easier to do—and in a lot less time. And all without the wire.

Get the job done using the Card Access™ Wireless Contact Relay. This easy-to-install solution combines two contact relays, one magnetic contact sensor, one temperature sensor and ZigBee® (IEEE 802.15.4) Extender into a single small device. The Wireless Contact Relay expands Control4® home automation capabilities, controlling devices inside and outside the home with standard Control4 remote controls, touch screens, or keypads—and with Card Access Wireless Contact Sensors (WCS10A-2-ZP) Wireless Motion Sensors (WMS10-2-ZP) or Mini Remotes (IMR10A-ZP).

The Card Access Wireless Contact Relay is water resistant, compact, and installs easily. One or two relay outputs open and close automatic doors, blinds and gates. When used together with the Card Access Wireless Contact Switch, you can detect open and closed states to further integrate relay activation events with other home automation activities.

Complete Control4 System Integration

The Card Access Wireless Contact Relay also includes an on-board magnetic contact sensor that wirelessly integrates into Control4 systems. You can use any standard magnet or



Control garage doors, window blinds, fireplaces, projection screens or TV lifts inside the home. Do the same outside with pool covers or entry gates.

order one directly from Card Access to trigger the sensor.

A built-in temperature sensor adds remote temperature-sensing capabilities. This gives Control4 systems additional automation features and capabilities based on indoor or outdoor temperature events.

Wireless Contact Relay functions appear in Control4 Composer Projects as relays and a contact sensor that you can trigger and monitor to control events, and take action throughout the Control4 system based on commands or other events.

Zigbee Extender Technology™

The Card Access Wireless Contact Relay incorporates ZigBee Extender Technology to act as a routing node in Control4 ZigBee PRO mesh networks. ZigBee Extender Technology helps solve mesh network issues with parent-child device ratios, routing vs. non-routing nodes, solving mesh network dead spots, and increasing the size or density of the ZigBee mesh.

The Wireless Contact Relay includes a 12V DC power adapter with units shipped in the United States and Canada, and operates on any 9-24 volt AC or DC power source.

With its wireless connectivity and ease of installation, the Card Access Wireless Contact Relay is perfect for either new construction or for retrofit homes where wiring options are limited. High performance wireless connectivity reaches every location from inside the house to the edge of the yard. The Wireless Contact Relay extends automation capabilities to almost any switch-controlled product you can think of, and increases the enjoyment of a Control4-automated home. So, when running a wire just isn't practical—or possible—hook up with the Card Access Wireless Contact Relay.



WIRELESS CONTACT RELAY

Specifications

MODEL NUMBERS

- WCS10-R-ZP
- WCS10-R-EXT-ZP (External Antenna Version)

AVAILABLE COLORS

- White (water-based paintable enclosure)

DIMENSIONS

- 1.05"(D) x 3.1"(W) x 2.6"(H)
- 26.6mm (D) x 78.7mm (W) x 65.7mm (H)

WEIGHT

- 2.2 oz. (70.9 grams)

NETWORKS SUPPORTED

- Control4 ZigBee PRO mesh networking protocol, based on the IEEE 802.15.4 ZigBee standard

DATA RATE

- 250kbps

FREQUENCY RANGE

- 2.405 – 2.475 GHz

POWER CONSUMPTION

- ~100mA at 9V, fully active

RELAY OUTPUTS

- Relay 1 (dry contact pair)
- Relay 2 (dry contact pair)
- Note: The two SPST Relays can be linked to simulate a single SPDT Relay
- Contact mechanism: Single Crossbar
- Rated load: 0.5A @ 50V; 1A @ 24V or less

WIRING REQUIREMENTS

- Contacts accept AWG 16-28 wiring

POWER SOURCE

- 9-24V DC or AC

INTEGRATED FEATURES

- Two (2) Relay Outputs
- Integrated Reed Switch (magnetic contact)

- Integrated Internal Thermistor for temperature sensing
- External Thermistor Input. Requires an External Thermistor (sold separately)

ENVIRONMENTAL

- Operational -20°F to 158°F (-28°C to 70°C)
- Humidity 5% to 95% Non-Condensing
- Storage -20°F to 158°F (-28°C to 70°C)
- Internal Thermistor Measurement Range: -20°F to 158°F (-28°C to 70°C)

REGULATORY / CERTIFICATIONS

- FCC Part 15, B
- RoHS-compliant
- CE

CONTROL4 SYSTEM REQUIREMENTS

- Control4 Home Controller
- Control4 Version 1.8.0 or greater

CONTROL4 SYSTEM INTEGRATION

- Appears in Composer Project as two relay outputs and one contact sensor input
- Programmable Relay and Contact Sensor Operations via Composer
- Exposes programming variables for Relay State, Contact Sensor State, and Temperature
- ZigBee Extender Technology for mesh network coverage and expansion

OPTIONAL ACCESSORIES AVAILABLE FROM CARD ACCESS

- External Flange Mount Contact Magnet (ECM10A)
- External Thermistor (EXT10A)

Order the Card Access Wireless Contact Sensor and accessories by visiting the Card Access website at: www.cardaccess-inc.com/automation



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