

# CLCI-1SW2EX-W

## Wireless In-Ceiling Switch, 230VAC

The CLCI-1SW2EX-W is a two-channel switch capable of controlling two independent, 230 Volt AC lighting loads. Its ultra-slim design allows it to be installed in the ceiling, either next to or near the fixture. Powered by infiNET EX® technology, this CLCI device communicates wirelessly with the Crestron® control system, making it perfect for both new and retrofit applications. Additionally, the switch installs inline without requiring any special wiring and can be controlled via a standard light switch.

### Two Independent Channels

The CLCI-1SW2EX-W switches incandescent, tungsten-halogen, magnetic low-voltage, electronic low-voltage, fluorescent ballast, neon/cold cathode, and motor loads for each of the two independent channels. Two sets of screw terminals enable easy wiring to each load of up to 500 VA.

### Easy Loop-Thru Wiring

Feeding each switch is a set of terminals used to power the unit. A second set of high-voltage terminals wired in parallel allow for a fast, clean installation when deploying multiple CLCI units. No need for wire connectors or extra gang boxes; just “daisy chain” multiple CLCIs together. In certain retrofit applications, this lets you create more zones from what was originally wired.

### Out-of-the-Box Control via Standard Switch

The CLCI-1SW2EX-W uses either a momentary or a maintained switch to provide a closure, such as a standard lighting switch. A standard lighting switch, the kind carried in any hardware store, is a cost-effective solution for basic on and off functions. A momentary, pushbutton-type switch can also be used to switch the load.

### Complete Crestron Control

Because it's connected to the Crestron system, the CLCI-1SW2EX-W can also be controlled from any keypad, touch

panel, remote, or mobile device. Tie in occupancy sensors and photosensors together with Crestron Fusion RV® software for a complete solution to effectively manage room assets.

### Simple Setup

Setup is simple, especially when using a connected maintained or momentary switch. A specific series of button presses initiates the wireless device's acquire mode, so there's no need to climb a ladder to join the device to the infiNET EX network.

### infiNET EX

Ultra-reliable infiNET EX wireless technology provides steadfast two-way RF communications throughout a residential or commercial structure without the need for physical control wiring. Employing a 2.4 GHz mesh network topology, each infiNET EX device functions as an expander, passing command signals through to every other infiNET EX device within range (approximately 150 feet or 46 meters indoors), ensuring that every command reaches its intended destination without disruption.<sup>[1]</sup>

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CEN-RFGW-EX, DIN-AP3MEX, or MC3<sup>[2]</sup>). Up to 100 infiNET EX devices may coexist on a single wireless network, and every device that is added to the network effectively increases the range and stability of the entire network by providing multiple redundant signal paths.<sup>[1]</sup> Built-in Dynamic Frequency Allocation continuously monitors RF conditions, automatically selecting the clearest channel to prevent interference from neighboring networks, cordless phones, and microwaves.

### SPECIFICATIONS

#### Load Ratings

Number of Channels: 2  
Maximum Load per Channel: 2AX (2A fluorescent)  
Switch Load Types: Incandescent, tungsten-halogen, magnetic low-voltage, electronic low-voltage, fluorescent ballast, neon/cold cathode, motor

#### Input Voltage

220 to 240 Volts AC, 50/60Hz, line power

#### Wireless

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.5 MHz), default channel 15;  
Range: 30 m (100 ft) indoors, 55 m (175 ft) outdoors for device to device;  
45 m (150 ft) indoors, 75 m (250 ft) outdoors for device to gateway;  
All distances subject to site specific conditions <sup>[1]</sup>  
Gateway: Requires an infiNET EX gateway <sup>[2]</sup>

#### Connections

L: (3) Screw terminals, connect to line AC;  
N: (2) Screw terminals, connect to neutral AC;  
G: (2) Screw terminals, connect to earth ground;  
R: (1) Screw terminal, connects to remote switch (remote

switch wires to L and R; Consult manual for more information)

N1: (1) Screw terminal, neutral, channel 1

SL1: (1) Screw terminal, switched line power, channel 1

N2: (1) Screw terminal, neutral, channel 2

SL2: (1) Screw terminal, switched line power, channel 2

#### Controls & Indicators

Setup: (1) Miniature pushbutton, joins an infiNET EX network

Chan. 1: (1) Green LED, indicates load is switched on

Chan. 2: (1) Green LED, indicates load is switched on

#### Enclosure

Plastic

#### Environmental

Temperature: 0° to 40° C (32° to 104° F)

Humidity: 10% to 90% RH (non-condensing)

#### Dimensions

Height: 178 mm (7.00 in)

Width: 55 mm (2.13 in)

Length: 41 mm (1.63 in)

#### Weight

199 g (7 oz)

Notes:

1. Any infiNET EX device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices do not provide expander functionality.

2. Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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[patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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### In-Ceiling Wireless Lighting Control

