

# CLW-DIMEX-E

## Cameo® Express Wireless In-Wall Dimmer, 120V



- > Provides forward-phase dimming
- > Field-replaceable and engravable buttons<sup>[1]</sup>
- > Available in black, white, or almond
- > infiNET EX® robust communication
- > Models popular Cameo® style
- > Configurable up to 4 buttons
- > Matching aesthetics across entire line
- > Screw-clamp connectors for easier & improved installation
- > Stylish bargraph provides real-time status feedback
- > CEC Title 24 2013 Compliant

The CLW-DIMEX-E is a Cameo® Express wireless in-wall dimmer that features field-replaceable and engravable<sup>[1]</sup> buttons. Along with the entire line of [Cameo products](#), the CLW-DIMEX-E can be configured with various button layouts, making it more versatile than previous generations of in-wall dimmers. Even more affordable than Cameo dimmers and switches, the Cameo Express line makes it possible to bring controlled lighting to every room in the home or office. Its streamlined, attractive design complements the entire line of Cameo dimmers, switches and keypads, making it a great addition to new or retrofit installations. Wireless infiNET EX® communication technology brings proven reliability to the CLW-DIMEX-E.

### Field-Replaceable Button Faces

Like their cousin Cameo keypads, the buttons on the CLW-DIMEX-E can be swapped in the field, making it easy to change engraving or color after installation. The rocker controller brings a familiar user interface to the Crestron® in-wall dimmer, while the versatility of up to four buttons takes

advantage of prime single-gang wall box real estate. Use buttons to control in-room audio or lamps in addition to any other light connected to the system. Each CLW-DIMEX-E dimmer ships with one rocker button, two big buttons, and four small buttons.

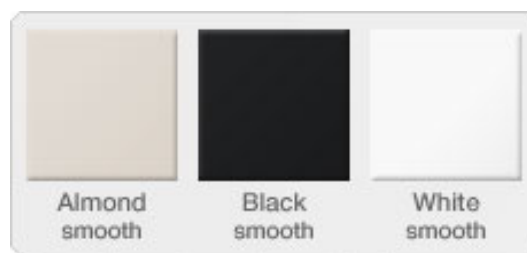
### Integrated Keypad

Because the CLW-DIMEX-E is attached to the Crestron network, it can also function as a keypad, sending commands to trigger whole-room lighting scenes or distributed audio functions. Supporting up to four buttons, the in-wall dimmer serves as a great user control interface in any Crestron system. Its single-gang form factor maximizes control capability in a small space while increasing the opportunity for Crestron control in every room.

### 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>[2]</sup>.

The CLW-DIMEX-E communicates with a Crestron control system via an infiNET EX Wireless Gateway (model [CEN-RFGW-EX](#), [DIN-AP3MEX](#), or [MC3](#)<sup>[3]</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>[2]</sup>.



Due to differences in monitors, actual colors may vary from colors as they appear onscreen.

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## Streamlined Installation

In addition to field-replaceable buttons, the CLW-DIMEX-E features screw-clamp connectors for simplified wiring while reducing installation time and material costs. So slim, the Cameo line can be installed in standard gang boxes making them the perfect choice for both new and retrofit projects.

## SPECIFICATIONS

### Load Ratings

**Incandescent/Tungsten Halogen:** 750 Watts<sup>[4]</sup>

**Magnetic Low Voltage:** 750VA/750 Watts<sup>[4]</sup>

**Minimum Load:** 25 Watts (with dedicated neutral connected);  
50 Watts (no dedicated neutral)

### Power Requirements

120 Volts AC, 60Hz, line power

### Controls

**Button 1-4:** Configurable for 1 to 4 single-action pushbuttons, programmable via control system

**Dimming Ramp Rate:** 5 seconds (default), software adjustable 0.01 to 10 seconds

**Preset Fade Time:** 2 seconds (default), software adjustable 0.01 to 120 seconds

### LED Indicator

**Feedback:** (7) Green LEDs

**Bargraph:** (1) 7 segment bargraph display utilizing the 7 feedback LEDs

### Wireless

**RF Transceiver:** infiNET EX® 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant

**Range (typical):** 150 ft (46 m) indoor, 250 ft (76 m) outdoor to nearest mesh network device(s); subject to site-specific conditions and individual device capabilities<sup>[2]</sup>

**Gateway:** Requires an infiNET EX gateway<sup>[3]</sup>

### Connections

**Hot:** (1) 14-12 AWG, screw terminal, brass, line power input

**Load:** (1) 14-12 AWG, screw terminal, red, load output

**Neutral:** (1) 14-12 AWG, screw terminal, silver, neutral<sup>[5]</sup>

**Ground:** (1) 18 AWG screw terminal, green, ground

### Environmental

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

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

### Enclosure

1-gang mountable in a 3-1/2 inch deep electrical box;

Requires decorator style faceplate (not included)<sup>[3]</sup>

## Dimensions

**Height:** 4.13 in (105 mm)

**Width:** 1.75 in (45 mm)

**Depth:** 1.75 in (45 mm)

## Weight

5 oz (142 g)

## Standards & Certifications

UL Listed

CEC Title 24 2013 Compliant

## MODELS & ACCESSORIES

### Available Models

**CLW-DIMEX-E-A-S:** Cameo® Express Wireless In-Wall Dimmer, 120V, Almond Smooth

**CLW-DIMEX-E-B-S:** Cameo® Express Wireless In-Wall Dimmer, 120V, Black Smooth

**CLW-DIMEX-E-W-S:** Cameo® Express Wireless In-Wall Dimmer, 120V, White Smooth

### Available Accessories

**CEN-RFGW-EX:** infiNET EX® Wireless Gateway

**CEN-RFGW-EX-PWE:** infiNET EX® Wireless Gateway w/PoE Injector

**DIN-AP3MEX:** DIN Rail 3-Series® Automation Processor w/infiNET EX®

**MC3:** 3-Series Control System® w/infiNET EX®

**CLW-BTN-LG-A-S:** Large Engravable Button Cap, Almond, Smooth

**CLW-BTN-LG-B-S:** Large Engravable Button Cap, Black, Smooth

**CLW-BTN-LG-W-S:** Large Engravable Button Cap, White, Smooth

**CLW-BTN-RKR-A-S:** Rocker Engravable Button Cap, Almond, Smooth

**CLW-BTN-RKR-B-S:** Rocker Engravable Button Cap, Black, Smooth

**CLW-BTN-RKR-W-S:** Rocker Engravable Button Cap, White, Smooth

**CLW-BTN-SM-A-S:** Small Engravable Button Cap, Smooth

**CLW-BTN-SM-B-S:** Small Engravable Button Cap, Smooth

**CLW-BTN-SM-W-S:** Small Engravable Button Cap, Smooth

**CCR-L-1:** Crestron® Color Ring

**CLW-EXPEX-GD-W-T:** infiNET EX® Wireless Expander, Ground Pin Down, White Textured

**GLA-EXPEX:** Crestron Green Light® Wireless Expander for infiNET EX® Networks

Notes:

1. Custom engraving sold separately.

2. 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. A dedicated infiNET EX Wireless Expander, model

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CLW-EXPEX or GLA-EXPEX, is also available.

3. Item(s) sold separately.
4. Derating applies for multigang installations. Refer to the Installation Guide for more information.
5. A neutral wire is required for normal operation. Refer to the Installation Guide for alternate wiring configurations.

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.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

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