

# CLW-DIMEX-230-E

## Cameo® Express Wireless In-Wall Dimmer, 230V



- > Field replaceable and engravable buttons
- > Available in black, white, or almond
- > infiNET EX® robust communication
- > Models popular Cameo® style
- > Configurable with rocker or two buttons
- > Matching aesthetics across entire line
- > Stylish bargraph provides real-time status feedback

The CLW-DIMEX-230-E is a Cameo® Express wireless in-wall dimmer that features field-replaceable and engravable buttons. Along with the entire line of [Cameo products](#), it can be configured with various button layouts, making the CLW-DIMEX-230-E 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-230-E.

### Field-Replaceable Button Faces

Like their cousin Cameo keypads, the buttons on the CLW-DIMEX-230-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-230-E dimmer ships with one rocker button, two big buttons, and four small buttons.

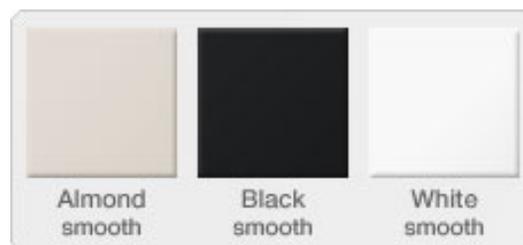
### Integrated Keypad

Because the CLW-DIMEX-230-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 Communications

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>.

The CLW-DIMEX-230-E communicates with a Crestron control system via an infiNET EX Wireless Gateway (model [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.



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

## SPECIFICATIONS

### Load Ratings

**Incandescent/Tungsten Halogen/Magnetic Low Voltage:** 1000 W/VA  
**Minimum Load:** 25 Watts (with dedicated neutral connected); 50 Watts (no dedicated neutral)

### Power Requirements

230 Volts AC, 50/60Hz, 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 from 0.01 to 10 seconds

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

### LED Indicator

**Feedback:** (7) Green LEDs

**Bargraph:** (1) 7-segment bargraph display using 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>[1]</sup>

**Gateway:** Requires an infiNET EX gateway<sup>[2]</sup>

### Connections

**Line:** Brown wire, 1.5 mm<sup>2</sup> (16 AWG)

**Load:** Red wire, 1.5 mm<sup>2</sup> (16 AWG)

**Neutral:** Blue wire, 1.5 mm<sup>2</sup> (16 AWG)

**Ground:** Green/Yellow wire, 1.5 mm<sup>2</sup> (16 AWG)

### 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 (89 mm) deep electrical box;  
Requires decorator style faceplate (not included)

### Dimensions

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

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

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

### Weight

4.9 oz (139 g)

## MODELS

### Available Models

**CLW-DIMEX-230-E-A-S:** Cameo® Express Wireless In-Wall Dimmer, 230V, Almond Smooth

**CLW-DIMEX-230-E-B-S:** Cameo® Express Wireless In-Wall Dimmer, 230V, Black Smooth

**CLW-DIMEX-230-E-W-S:** Cameo® Express Wireless In-Wall Dimmer, 230V, White Smooth

#### Notes:

- 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 [CLW-EXPEX](#) or [GLA-EXPEX](#), is also available.
- 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.

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

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# CLW-DIMEX-230-E Cameo<sup>®</sup> Express Wireless In-Wall Dimmer, 230V

## CAD DRAWINGS

