

CLW-DIMSWEX-E

Cameo® Express Wireless In-Wall Dimmer/Switch Combo



- > Field replaceable and engravable buttons
- > Provides forward-phase dimming
- > Available in white, black, or almond
- > infiNET EX® robust wireless 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-DIMSWEX-E is a Cameo® Express in-wall combination dimmer/switch which features field-replaceable and engravable buttons. Able to dim one load and switch another simultaneously, the Cameo Express dimmer/switch is great for applications needing to control a fan and light from a single gang in the wall. 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 design matches the entire line of [Cameo dimmers, switches and keypads](#), making it a great addition to new or retrofit installations. In addition to its attractive look and feel, infiNET EX® communication technology brings proven wireless reliability to the CLW-DIMSWEX-E.

Dimmer and Switch in a Single Gang

Easily control two independent loads from a single gang CLW-DIMSWEX-E. Designed to reduce wall clutter in new installations and replace existing dual-switch combos in retrofit situations, the Cameo Express dimmer/switch combo lets you bring controlled lighting to more rooms. Perfect for

bathrooms, the CLW-DIMSWEX-E lets you switch on the exhaust fan and dim the lights. Because it has Crestron® intelligence, both loads can be controlled from one button press, or the fan can run for a set period after it is originally activated.

Field-Replaceable Button Faces

Like their cousin Cameo keypads, the buttons on the CLW-DIMSWEX-E can be swapped in the field, making it easy to change engraving or color after installation. 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.

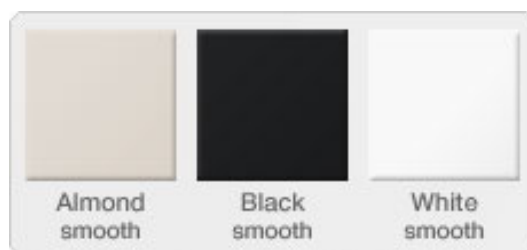
Integrated Keypad

Because the CLW-DIMSWEX-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^[1].

The CLW-DIMSWEX-E communicates with a Crestron control system via



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

an infiNET EX Wireless Gateway (model [CEN-RFGW-EX](#), [DIN-AP3MEX](#), or [MC3](#)^[2]). 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^[1].

Streamlined Installation

In addition to field replaceable buttons, the CLW-DIMSWEX-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 (Dimmer)

Incandescent/Tungsten Halogen, Magnetic Low Voltage, Dimmable
CFL: 500 VA/Watts
Minimum Load: 25 Watts

Load Ratings (Switch)

Exhaust Fan: 1 Amp

Power Requirements

120 Volts AC, 60Hz, line power

Controls

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

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^[1]

Gateway: Requires an infiNET EX gateway^[2]

Connections

Hot: (1) 14-12 AWG, screw terminal, brass, line power input
Dim: (1) 14-12 AWG, screw terminal, red, dim load output
Switch: (1) 14-12 AWG, screw terminal, red, switch load output
Neutral: (1) 14-12 AWG, screw terminal, silver, neutral^[3]
Ground: (1) 16 AWG Class 1 flying lead, 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)

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)

Standards & Certifications

UL Listed
CEC Title 24 2013 Compliant

MODELS & ACCESSORIES

Available Models

CLW-DIMSWEX-E-A-S: Cameo® Express Wireless In-Wall Dimmer/Switch Combo, 120V, Almond Smooth
CLW-DIMSWEX-E-B-S: Cameo® Express Wireless In-Wall Dimmer/Switch Combo, 120V, Black Smooth
CLW-DIMSWEX-E-W-S: Cameo® Express Wireless In-Wall Dimmer/Switch Combo, 120V, White Smooth

Included Accessories

CLW-BTN-RKR-A-S: Rocker Engravable Button Cap (blank), Almond, Gloss [Included Quantity for CLW-DIMSWEX-E-A-S: 1]
CLW-BTN-RKR-B-S: Rocker Engravable Button Cap (blank), Black, Gloss [Included Quantity for CLW-DIMSWEX-E-B-S: 1]
CLW-BTN-RKR-W-S: Rocker Engravable Button Cap (blank), White, Gloss [Included Quantity for CLW-DIMSWEX-E-W-S: 1]

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, Gloss
CLW-BTN-LG-B-S: Large Engravable Button Cap, Black, Gloss
CLW-BTN-LG-W-S: Large Engravable Button Cap, White, Gloss
CLW-BTN-RKR-A-S: Rocker Engravable Button Cap, Almond, Gloss
CLW-BTN-RKR-B-S: Rocker Engravable Button Cap, Black, Gloss
CLW-BTN-RKR-W-S: Rocker Engravable Button Cap, White, Gloss

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

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

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

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. 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.
2. Item(s) sold separately.
3. A neutral wire is required for operation

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 or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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CAD DRAWINGS

