

# CLW-DIMEX-P

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



- > Provides forward-phase dimming
- > Field-replaceable, engravable buttons
- > Available in all designer colors
- > infiNET EX® robust communication
- > Models popular Cameo® style
- > Configurable up to 4 buttons
- > Matching aesthetics across entire line
- > Supports remote dimmers and switches (CLW-SLVU-P)
- > Screw-clamp connectors for easier & improved installation
- > Stylish bargraph provides real-time status feedback
- > CEC Title 24 2013 Compliant

The CLW-DIMEX-P is a Cameo® in-wall dimmer which features field-replaceable, engravable buttons. Along with the entire line of [Cameo products](#), it can be configured with various button layouts and designer colors, making the CLW-DIMEX-P more versatile and affordable than previous generations of in-wall dimmers. 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 reliability to the CLW-DIMEX-P.

### Field-Replaceable Button Faces

Like their cousin [Cameo keypads](#), the buttons on the CLW-DIMEX-P can be swapped in the field, making it easy to change engraving or color after installation. The new 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. The comprehensive list of designer colors blends the CLW-DIMEX-P into virtually any décor and style, suiting even the most exquisite space.

### Integrated Keypad

Because the CLW-DIMEX-P 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 2-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-P 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, including Cameo Wireless Keypads and In-Wall Switches<sup>[2]</sup>, 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>.



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

# CLW-DIMEX-P Cameo® Wireless In-Wall Dimmer, 120V

## Streamlined Installation

In addition to field-replaceable buttons, the CLW-DIMEX-P 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.

## Remote Dimmer

The CLW-DIMEX-P supports dimming control of the same lights from more than one location. Easily replace existing dimmers and switches wired in a traditional three- or four-way circuit with dim control from every location, or design new projects to accommodate remote dimmers wherever desired. The [CLW-SLVU-P](#) remote dimmer simply connects to the “traveler” wire and dims the load attached to the CLW-DIMEX-P.

## SPECIFICATIONS

### Load Ratings

Incandescent/Tungsten Halogen: 750 Watts<sup>[3]</sup>

Magnetic Low Voltage: 750VA/750 Watts<sup>[3]</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) White 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>[1]</sup>

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

### Connections

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

**Remote:** (1) 14-12 AWG, screw terminal, blue, remote

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

**Neutral:** (1) 14-12 AWG, screw terminal, silver, neutral<sup>[4]</sup>

**Ground:** (1) 18 AWG Class 1 flying lead, green, ground (wire nut included)

### 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

5 oz (142 g)

### Standards & Certifications

UL Listed

CEC Title 24 2013 Compliant

## MODELS & ACCESSORIES

### Available Models

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

**CLW-DIMEX-P-A-T:** Cameo® Wireless In-Wall Dimmer, 120V, Almond Textured

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

**CLW-DIMEX-P-B-T:** Cameo® Wireless In-Wall Dimmer, 120V, Black Textured

**CLW-DIMEX-P-BRN-S:** Cameo® Wireless In-Wall Dimmer, 120V, Brown Smooth

**CLW-DIMEX-P-DA-S:** Cameo® Wireless In-Wall Dimmer, 120V, Dark Almond Smooth

**CLW-DIMEX-P-DSK-T:** Cameo® Wireless In-Wall Dimmer, 120V, Dusk Textured

**CLW-DIMEX-P-GRY-S:** Cameo® Wireless In-Wall Dimmer, 120V, Gray Smooth

**CLW-DIMEX-P-IVR-S:** Cameo® Wireless In-Wall Dimmer, 120V, Ivory Smooth

**CLW-DIMEX-P-LAT-T:** Cameo® Wireless In-Wall Dimmer, 120V, Latte Textured

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

**CLW-DIMEX-P-W-T:** Cameo® Wireless In-Wall Dimmer, 120V, White Textured

# CLW-DIMEX-P Cameo® Wireless In-Wall Dimmer, 120V

## Included Accessories

**CLW-BTN-RKR-A-S:** Rocker Engravable Button Cap (blank), Almond, Gloss [Included Quantity for CLW-DIMEX-P-A-S: 1]  
**CLW-BTN-RKR-A-T:** Rocker Engravable Button Cap (blank), Almond, Matte [Included Quantity for CLW-DIMEX-P-A-T: 1]  
**CLW-BTN-RKR-B-S:** Rocker Engravable Button Cap (blank), Black, Gloss [Included Quantity for CLW-DIMEX-P-B-S: 1]  
**CLW-BTN-RKR-B-T:** Rocker Engravable Button Cap (blank), Black, Matte [Included Quantity for CLW-DIMEX-P-B-T: 1]  
**CLW-BTN-RKR-BRN-S:** Rocker Engravable Button Cap (blank), Brown, Gloss [Included Quantity for CLW-DIMEX-P-BRN-S: 1]  
**CLW-BTN-RKR-DA-S:** Rocker Engravable Button Cap (blank), Dark Almond, Gloss [Included Quantity for CLW-DIMEX-P-DA-S: 1]  
**CLW-BTN-RKR-DSK-T:** Rocker Engravable Button Cap (blank), Dusk, Matte [Included Quantity for CLW-DIMEX-P-DSK-T: 1]  
**CLW-BTN-RKR-GRY-S:** Rocker Engravable Button Cap (blank), Gray, Gloss [Included Quantity for CLW-DIMEX-P-GRY-S: 1]  
**CLW-BTN-RKR-IVR-S:** Rocker Engravable Button Cap (blank), Ivory, Gloss [Included Quantity for CLW-DIMEX-P-IVR-S: 1]  
**CLW-BTN-RKR-LAT-T:** Rocker Engravable Button Cap (blank), Latte, Matte [Included Quantity for CLW-DIMEX-P-LAT-T: 1]  
**CLW-BTN-RKR-W-S:** Rocker Engravable Button Cap (blank), White, Gloss [Included Quantity for CLW-DIMEX-P-W-S: 1]  
**CLW-BTN-RKR-W-T:** Rocker Engravable Button Cap (blank), White, Matte [Included Quantity for CLW-DIMEX-P-W-T: 1]

## Available Accessories

**CEN-RFGW-EX:** infiNET EX® Wireless Gateway  
**CEN-RFGW-EX-PWE:** infiNET EX® Wireless Gateway w/PoE Injector  
**MC3:** 3-Series Control System® w/infiNET EX®  
**DIN-AP3MEX:** DIN Rail 3-Series® Automation Processor w/infiNET EX®  
**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  
**CLW-BTN-LG-A-S:** Large Engravable Button Cap, Almond, Gloss  
**CLW-BTN-LG-A-T:** Large Engravable Button Cap, Almond, Matte  
**CLW-BTN-LG-B-S:** Large Engravable Button Cap, Black, Gloss  
**CLW-BTN-LG-B-T:** Large Engravable Button Cap, Black, Matte  
**CLW-BTN-LG-BRN-S:** Large Engravable Button Cap, Brown, Gloss  
**CLW-BTN-LG-DA-S:** Large Engravable Button Cap, Dark Almond, Gloss  
**CLW-BTN-LG-DSK-T:** Large Engravable Button Cap, Dusk, Matte  
**CLW-BTN-LG-GRY-S:** Large Engravable Button Cap, Gray, Gloss  
**CLW-BTN-LG-IVR-S:** Large Engravable Button Cap, Ivory, Gloss  
**CLW-BTN-LG-LAT-T:** Large Engravable Button Cap, Latte, Matte  
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**CLW-BTN-LG-W-T:** Large Engravable Button Cap, White, Matte  
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**CLW-BTN-RKR-A-T:** Rocker Engravable Button Cap, Almond, Matte  
**CLW-BTN-RKR-B-S:** Rocker Engravable Button Cap, Black, Gloss  
**CLW-BTN-RKR-B-T:** Rocker Engravable Button Cap, Black, Matte  
**CLW-BTN-RKR-BRN-S:** Rocker Engravable Button Cap, Brown, Gloss  
**CLW-BTN-RKR-DA-S:** Rocker Engravable Button Cap, Dark Almond, Gloss

**CLW-BTN-RKR-DSK-T:** Rocker Engravable Button Cap, Dusk, Matte  
**CLW-BTN-RKR-GRY-S:** Rocker Engravable Button Cap, Gray, Gloss  
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**CLW-BTN-RKR-LAT-T:** Rocker Engravable Button Cap, Latte, Matte  
**CLW-BTN-RKR-W-S:** Rocker Engravable Button Cap, White, Gloss  
**CLW-BTN-RKR-W-T:** Rocker Engravable Button Cap, White, Matte  
**CLW-BTN-SM-A-S:** Small Engravable Button Cap, Gloss  
**CLW-BTN-SM-A-T:** Small Engravable Button Cap, Matte  
**CLW-BTN-SM-B-S:** Small Engravable Button Cap, Gloss  
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**CLW-BTN-SM-GRY-S:** Small Engravable Button Cap, Gloss  
**CLW-BTN-SM-IVR-S:** Small Engravable Button Cap, Gloss  
**CLW-BTN-SM-LAT-T:** Small Engravable Button Cap, Matte  
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**CLW-BTN-SM-W-T:** Small Engravable Button Cap, Matte  
**CLW-SLVU-P-A-S:** Cameo® In-Wall Remote Dimmer, 120V, Almond Smooth  
**CLW-SLVU-P-A-T:** Cameo® In-Wall Remote Dimmer, 120V, Almond Textured  
**CLW-SLVU-P-B-S:** Cameo® In-Wall Remote Dimmer, 120V, Black Smooth  
**CLW-SLVU-P-B-T:** Cameo® In-Wall Remote Dimmer, 120V, Black Textured  
**CLW-SLVU-P-BRN-S:** Cameo® In-Wall Remote Dimmer, 120V, Brown Smooth  
**CLW-SLVU-P-DA-S:** Cameo® In-Wall Remote Dimmer, 120V, Dark Almond Smooth  
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**CLW-SLVU-P-LAT-T:** Cameo® In-Wall Remote Dimmer, 120V, Latte Textured  
**CLW-SLVU-P-W-S:** Cameo® In-Wall Remote Dimmer, 120V, White Smooth  
**CLW-SLVU-P-W-T:** Cameo® In-Wall Remote Dimmer, 120V, White Textured

## 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. Derating applies for multigang installations. Refer to Installation Guide for more information.
4. 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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# CLW-DIMEX-P Cameo® Wireless In-Wall Dimmer, 120V

## CAD DRAWINGS

