

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.^[1]

The CLW-DIMEX-P communicates with a Crestron control system via an infiNET EX Wireless Gateway (model CEN-RFGW-EX, DIN-AP3MEX, or MC3^[2]). Up to 100 infiNET EX devices, including Cameo Wireless Keypads and In-Wall Switches^[2], 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].



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^[3]

Magnetic Low Voltage: 750VA/750 Watts^[3]

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^[1]

Gateway: Requires an infiNET EX gateway^[2]

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^[4]

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

