Cameo® In-Wall Universal Phase Dimmer, 120 VAC



- Universal dimming reverse phase and forward phase with auto load detection
- Supports remote dimmers and switches
- Single-gang U.S. wall box installation
- Gangable up to three across using compatible multigang decorator faceplates
- Robust infiNET EX® wireless communications
- Preinstalled large rocker button
- Configurable with up to four field-replaceable buttons
- Custom laser-etched engravable buttons (sold separately)
- Screw clamp connectors for easier & improved installation
- LED Bargraph for load status feedback
- Crestron Home[™] OS 3 compatible

The CLW-DIMUEX-P is a Cameo® in-wall universal phase dimmer that controls the following load types: LED, incandescent, magnetic low voltage, and electronic low voltage. Its design matches the entire line of Cameo products, making it a great addition to new or retrofit installations.

Universal Phase Dimming

The CLW-DIMUEX-P features auto-load detection to automatically select the appropriate dimming method for the attached load. Auto-load detection allows for broad load type compatibility even if future changes to the load are made.

Integrated Keypad

Supporting up to four buttons, the CLW-DIMUEX-P is configurable for a variety of applications. Because the dimmer is attached to the Crestron® control network, it can function as a keypad to trigger remote actions.

Remote Dimmer

The CLW-DIMUEX-P supports dimming control of the same lights from more than one location. The CLW-SLVU-P remote dimmer connects to the traveler wire in a traditional three- or four-way circuit and dims the load attached to the CLW-DIMUEX-P.

Multigang Expansion

Devices may be installed side-by-side in a multigang electrical box with a compatible decorator faceplate (sold separately).

NOTE: Derating is required for multigang installations. Refer to the CLW-DIMUEX-P Quick Start at crestron.com/manuals (Doc. 8482) for derating information.

infiNET EX Communications

infiNET EX wireless technology provides two-way RF communications throughout a residential or commercial structure without the need for physical control wiring. Each infiNET EX device acts as an expander by sending command signals to other infiNET EX devices in range (approximately 150 ft (46 m) indoors) to ensure reliability and stability.¹

The CLW-DIMUEX communicates with a Crestron control system via an infiNET EX Wireless Gateway (CEN-GWEXER or CEN-GWEXER-PWE, both sold separately). Up to 100 infiNET EX devices may coexist on a single wireless network.

Field-Replaceable Button Caps

The preinstalled rocker button cap (CLW-BTN-RKR) on the CLW-DIMUEX-P is field-replaceable with the included small (CLW-BTN-SM) and large (CLW-BTN-LG) button caps, allowing for engravable multi-button configurations.

Streamlined Installation

In addition to field-replaceable buttons, the CLW-DIMUEX-P features screwclamp connectors for simplified wiring that reduces installation time and material costs. The CLW-DIMUEX-P can be installed in standard gang boxes, making them the perfect choice for both new and retrofit projects.



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Specifications

Load Requirements

Load Type LED, Incandescent, Electronic Low Voltage, or

Magnetic Low Voltage

Load Rating 600 W;

No minimum load

Power Requirements

120 VAC, 50/60 Hz;

Requires neutral wire connection

Controls

Pushbutton (1) rocker button (CLW-BTN-RKR)

preinstalled;

Configurable with combinations of

CLW-BTN-LG and CLW-BTN-SM in blank or

engraved models

Airgap (1) switch below buttons;

Controls power to the front of the device and

connected loads

Program (1) pushbutton on right side of airgap switch;

Accessible when airgap is closed;

Used when changing the button assembly and

3 seconds (default), software adjustable

setting preset levels

Dimming

Ramp Rate

Preset Fade 1 second (default), software adjustable

Time

LED Indicator

Feedback (7) White LEDs

Bargraph (1) 7 segment bargraph display utilizing the 7

feedback LEDs

Wireless

(typical)

RF infiNET EX 2-way RF, 2.4 GHz ISM Channels
Transceiver 11-26 (2400 to 2483.5 MHz), default channel

15;

IEEE 802.15.4 compliant

Range 150 ft (46 m) indoor, 250 ft (76 m) outdoor to

nearest mesh network device(s);

Subject to site-specific conditions and

individual device capabilities¹

Gateway Requires an infiNET EX gateway (sold

separately)

Connections

Load (1) 14-12 AWG, screw terminal;

Red, load output

Line (1) 14-12 AWG, screw terminal;

Brass, line power input

Neutral (1) 14-12 AWG, screw terminal;

Silver, neutral

Remote (1) 14-12 AWG, screw terminal;

Blue, remote

Ground (1) 14-12 AWG Class 1 flying lead;

Green, ground

Environmental

Temperature 32° to 95° F (0° to 35° C)

Humidity 10% to 90% RH (noncondensing)

Enclosure

Mounting Mounts in a 1-gang U.S. electrical box or

plaster ring (not included);

3.5 in. (26 mm) electrical box depth

recommended;

Gangable up to three units

Faceplate Requires a 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)

Compliance

FCC, IC, UL

Models

CLW-DIMUEX-P-A-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Almond, Smooth

CLW-DIMUEX-P-A-T

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Almond, Textured

CLW-DIMUEX-P-B-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Black, Smooth



Cameo® In-Wall Universal Phase Dimmer, 120 VAC

CLW-DIMUEX-P-B-T

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Black, Textured

CLW-DIMUEX-P-BRN-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Brown, Smooth

CLW-DIMUEX-P-DA-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Dark Almond, Smooth

CLW-DIMUEX-P-DSK-T

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Dusk, Textured

CLW-DIMUEX-P-GRY-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Gray, Smooth

CLW-DIMUEX-P-IVR-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Ivory, Smooth

CLW-DIMUEX-P-LAT-T

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, Latte, Textured

CLW-DIMUEX-P-W-S

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, White, Smooth

CLW-DIMUEX-P-W-T

Cameo® In-Wall Universal Phase Dimmer, 120 VAC, White, Textured

Included Accessories

CLW-BTN-RKR-A-S BLANK

Rocker Engravable Button Cap, Almond Smooth, Engraving not included

CLW-BTN-RKR-A-T BLANK

Rocker Engravable Button Cap, Almond Textured, Engraving not included

CLW-BTN-LG-A-S BLANK

Large Engravable Button Cap, Almond Smooth, Engraving not included

CLW-BTN-LG-A-T_BLANK

Large Engravable Button Cap, Almond Textured, Engraving not included

CLW-BTN-SM-A-S_BLANK

Small Engravable Button Cap, Almond Smooth, Engraving not included

CLW-BTN-SM-A-T_BLANK

Small Engravable Button Cap, Almond Textured, Engraving not included

CLW-BTN-RKR-B-S_BLANK

Rocker Engravable Button Cap, Black Smooth, Engraving not included

CLW-BTN-RKR-B-T_BLANK

Rocker Engravable Button Cap, Black Textured, Engraving not included

CLW-BTN-LG-B-S_BLANK

Large Engravable Button Cap, Black Smooth, Engraving not included

CLW-BTN-LG-B-T_BLANK

Large Engravable Button Cap, Black Textured, Engraving not included

CLW-BTN-SM-B-S_BLANK

Small Engravable Button Cap, Black Smooth, Engraving not included

CLW-BTN-SM-B-T BLANK

Small Engravable Button Cap, Black Textured, Engraving not included

CLW-BTN-RKR-BRN-S BLANK

Rocker Engravable Button Cap, Brown Smooth, Engraving not included

CLW-BTN-LG-BRN-S_BLANK

Large Engravable Button Cap, Brown Smooth, Engraving not included

CLW-BTN-SM-BRN-S BLANK

Small Engravable Button Cap, Brown Smooth, Engraving not included

CLW-BTN-RKR-DA-S BLANK

Rocker Engravable Button Cap, Dark Almond Smooth, Engraving not included

CLW-BTN-LG-DA-S_BLANK

Large Engravable Button Cap, Dark Almond Smooth, Engraving not included

CLW-BTN-SM-DA-S_BLANK

Small Engravable Button Cap, Dark Almond Smooth, Engraving not included

CLW-BTN-RKR-DSK-T_BLANK

Rocker Engravable Button Cap, Dusk Textured, Engraving not included

CLW-BTN-LG-DSK-T_BLANK

Large Engravable Button Cap, Dusk Textured, Engraving not included

CLW-BTN-SM-DSK-T_BLANK

Small Engravable Button Cap, Dusk Textured, Engraving not included

CLW-BTN-RKR-GRY-S BLANK

Rocker Engravable Button Cap Gray, Smooth, Engraving not included

CLW-BTN-LG-GRY-S_BLANK

Large Engravable Button Cap, Gray Smooth, Engraving not included



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CLW-BTN-SM-GRY-S_BLANK

Small Engravable Button Cap, Gray Smooth, Engraving not included

CLW-BTN-RKR-IVR-S_BLANK

Rocker Engravable Button Cap, Ivory Smooth, Engraving not included

CLW-BTN-LG-IVR-S_BLANK

Large Engravable Button Cap, Ivory Smooth, Engraving not included

CLW-BTN-SM-IVR-S_BLANK

Small Engravable Button Cap, Ivory Smooth, Engraving not included

CLW-BTN-RKR-LAT-T_BLANK

Rocker Engravable Button Cap Latte, Textured, Engraving not included

CLW-BTN-LG-LAT-T_BLANK

Large Engravable Button Cap, Latte Textured, Engraving not included

CLW-BTN-SM-LAT-T_BLANK

Small Engravable Button Cap, Latte Textured, Engraving not included

CLW-BTN-RKR-W-S BLANK

Rocker Engravable Button Cap, White Smooth, Engraving not included

CLW-BTN-RKR-W-T BLANK

Rocker Engravable Button Cap, White Textured, Engraving not included

CLW-BTN-LG-W-S_BLANK

Large Engravable Button Cap, White Smooth, Engraving not included

CLW-BTN-LG-W-T_BLANK

Large Engravable Button Cap, White Textured, Engraving not included

CLW-BTN-SM-W-S BLANK

Small Engravable Button Cap, White Smooth, Engraving not included

CLW-BTN-SM-W-T_BLANK

Small Engravable Button Cap, White Textured, Engraving not included

Available Accessories

CEN-GWEXER

infiNET EX® Network and ER Wireless Gateway

CEN-GWEXER-PWE

infiNET EX® Network and ER Wireless Gateway w/ PoE Injector

MC4

4-Series Media Room Controller

MC4-R

4-Series Media Room Controller for Crestron Home™ OS

CLW-SLVU-P-A-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Almond Smooth

CLW-SLVU-P-A-T

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Almond Textured

CLW-SLVU-P-B-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Black, Smooth

CLW-SLVU-P-B-T

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Black, Textured

CLW-SLVU-P-BRN-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Brown Smooth

CLW-SLVU-P-DA-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Dark Almond Smooth

CLW-SLVU-P-DSK-T

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Dusk Textured

CLW-SLVU-P-GRY-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Gray Smooth

CLW-SLVU-P-IVR-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Ivory Smooth

CLW-SLVU-P-LAT-T

Cameo® Wireless In-Wall Remote Dimmer, 120 V, Latte Textured

CLW-SLVU-P-W-S

Cameo® Wireless In-Wall Remote Dimmer, 120 V, White Smooth

CLW-SLVU-P-W-T

Cameo® Wireless In-Wall Remote Dimmer, 120 V, White Textured

CLW-BTN-RKR-A-S_ENGRAVED

Rocker Engravable Button Cap, Almond Smooth, Includes Custom Engraving

CLW-BTN-RKR-A-T_ENGRAVED

Rocker Engravable Button Cap, Almond Textured, Includes Custom Engraving

CLW-BTN-LG-A-S_ENGRAVED

Large Engravable Button Cap, Almond Smooth, Includes Custom Engraving

CLW-BTN-LG-A-T ENGRAVED

Large Engravable Button Cap, Almond Textured, Includes Custom Engraving

CLW-BTN-SM-A-S_ENGRAVED

Small Engravable Button Cap, Almond Smooth, Includes Custom Engraving



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CLW-BTN-SM-A-T_ENGRAVED

Small Engravable Button Cap, Almond Textured, Includes Custom Engraving

CLW-BTN-RKR-B-S_ENGRAVED

Rocker Engravable Button Cap, Black Smooth, Includes Custom Engraving

CLW-BTN-RKR-B-T_ENGRAVED

Rocker Engravable Button Cap, Black Textured, Includes Custom Engraving

CLW-BTN-LG-B-S_ENGRAVED

Large Engravable Button Cap, Black Smooth, Includes Custom Engraving

CLW-BTN-LG-B-T_ENGRAVED

Large Engravable Button Cap, Black Textured, Includes Custom Engraving

CLW-BTN-SM-B-S ENGRAVED

Small Engravable Button Cap, Black Smooth, Includes Custom Engraving

CLW-BTN-SM-B-T_ENGRAVED

Small Engravable Button Cap, Black Textured, Includes Custom Engraving

CLW-BTN-RKR-BRN-S ENGRAVED

Rocker Engravable Button Cap, Brown Smooth, Includes Custom Engraving

CLW-BTN-LG-BRN-S ENGRAVED

Large Engravable Button Cap, Brown Smooth, Includes Custom Engraving

CLW-BTN-SM-BRN-S_ENGRAVED

Small Engravable Button Cap, Brown Smooth, Includes Custom Engraving

CLW-BTN-RKR-DA-S_ENGRAVED

Rocker Engravable Button Cap, Dark Almond Smooth, Includes Custom Engraving

CLW-BTN-LG-DA-S_ENGRAVED

Large Engravable Button Cap, Dark Almond Smooth, Includes Custom Engraving

CLW-BTN-SM-DA-S_ENGRAVED

Small Engravable Button Cap, Dark Almond Smooth, Includes Custom Engraving

CLW-BTN-RKR-DSK-T_ENGRAVED

Rocker Engravable Button Cap, Dusk Textured, Includes Custom Engraving

CLW-BTN-LG-DSK-T_ENGRAVED

Large Engravable Button Cap, Dusk Textured, Includes Custom Engraving

CLW-BTN-SM-DSK-T_ENGRAVED

Small Engravable Button Cap, Dusk Textured, Includes Custom Engraving

CLW-BTN-RKR-GRY-S_ENGRAVED

Rocker Engravable Button Cap Gray, Smooth, Includes Custom Engraving

CLW-BTN-LG-GRY-S_ENGRAVED

Large Engravable Button Cap, Gray Smooth, Includes Custom Engraving

CLW-BTN-SM-GRY-S_ENGRAVED

Small Engravable Button Cap, Gray Smooth, Includes Custom Engraving

CLW-BTN-RKR-IVR-S_ENGRAVED

Rocker Engravable Button Cap, Ivory Smooth, Includes Custom Engraving

CLW-BTN-LG-IVR-S ENGRAVED

Large Engravable Button Cap, Ivory Smooth, Includes Custom Engraving

CLW-BTN-SM-IVR-S_ENGRAVED

Small Engravable Button Cap, Ivory Smooth, Includes Custom Engraving

CLW-BTN-RKR-LAT-T_ENGRAVED

Rocker Engravable Button Cap Latte, Textured, Includes Custom Engraving

CLW-BTN-LG-LAT-T_ENGRAVED

Large Engravable Button Cap, Latte Textured, Includes Custom Engraving

CLW-BTN-SM-LAT-T ENGRAVED

Small Engravable Button Cap, Latte Textured, Includes Custom Engraving

CLW-BTN-RKR-W-S_ENGRAVED

Rocker Engravable Button Cap, White Smooth, Includes Custom Engraving

CLW-BTN-RKR-W-T_ENGRAVED

Rocker Engravable Button Cap, White Textured, Includes Custom Engraving

CLW-BTN-LG-W-S_ENGRAVED

Large Engravable Button Cap, White Smooth, Includes Custom Engraving

CLW-BTN-LG-W-T_ENGRAVED

Large Engravable Button Cap, White Textured, Includes Custom Engraving

CLW-BTN-SM-W-S_ENGRAVED

Small Engravable Button Cap, White Smooth, Includes Custom Engraving

CLW-BTN-SM-W-T_ENGRAVED

Small Engravable Button Cap, White Textured, Includes Custom Engraving

FP-G1-A-S

Decorator Style Faceplate, 1-Gang, Almond Smooth

FP-G1-A-T

Decorator Style Faceplate, 1-Gang, Almond Textured



Cameo® In-Wall Universal Phase Dimmer, 120 VAC

FP-G1-B-S

Decorator Style Faceplate, 1-Gang, Black Smooth

FP-G1-B-T

Decorator Style Faceplate, 1-Gang, Black Textured

FP-G1-BRN-S

Decorator Style Faceplate, 1-Gang, Brown Smooth

FP-G1-DA-S

Decorator Style Faceplate, 1-Gang, Dark Almond Smooth

FP-G1-DSK-T

Decorator Style Faceplate, 1-Gang, Dusk Textured

FP-G1-GRY-S

Decorator Style Faceplate, 1-Gang, Gray Smooth

FP-G1-IVR-S

Decorator Style Faceplate, 1-Gang, Ivory Smooth

FP-G1-LAT-T

Decorator Style Faceplate, 1-Gang, Latte Textured

FP-G1-W-S

Decorator Style Faceplate, 1-Gang, White Smooth

FP-G1-W-T

Decorator Style Faceplate, 1-Gang, White Textured

FP-G2-A-S

Decorator Style Faceplate, 2-Gang, Almond Smooth

FP-G2-A-T

Decorator Style Faceplate, 2-Gang, Almond Textured

FP-G2-B-S

Decorator Style Faceplate, 2-Gang, Black Smooth

FP-G2-B-T

Decorator Style Faceplate, 2-Gang, Black Textured

FP-G2-BRN-S

Decorator Style Faceplate, 2-Gang, Brown Smooth

FP-G2-DA-S

Decorator Style Faceplate, 2-Gang, Dark Almond Smooth

FP-G2-DSK-T

Decorator Style Faceplate, 2-Gang, Dusk Textured

FP-G2-GRY-S

Decorator Style Faceplate, 2-Gang, Gray Smooth

FP-G2-IVR-S

Decorator Style Faceplate, 2-Gang, Ivory Smooth

FP-G2-LAT-T

Decorator Style Faceplate, 2-Gang, Latte Textured

FP-G2-W-S

Decorator Style Faceplate, 2-Gang, White Smooth

FP-G2-W-T

Decorator Style Faceplate, 2-Gang, White Textured

FP-G3-A-S

Decorator Style Faceplate, 3-Gang, Almond Smooth

FP-G3-A-T

Decorator Style Faceplate, 3-Gang, Almond Textured

FP-G3-B-S

Decorator Style Faceplate, 3-Gang, Black Smooth

FP-G3-B-T

Decorator Style Faceplate, 3-Gang, Black Textured

FP-G3-BRN-S

Decorator Style Faceplate, 3-Gang, Brown Smooth

FP-G3-DA-S

Decorator Style Faceplate, 3-Gang, Dark Almond Smooth

FP-G3-DSK-T

Decorator Style Faceplate, 3-Gang, Dusk Textured

FP-G3-GRY-S

Decorator Style Faceplate, 3-Gang, Gray Smooth

FP-G3-IVR-S

Decorator Style Faceplate, 3-Gang, Ivory Smooth

FP-G3-LAT-T

Decorator Style Faceplate, 3-Gang, Latte Textured

FP-G3-W-S

Decorator Style Faceplate, 3-Gang, White Smooth

FP-G3-W-T

Decorator Style Faceplate, 3-Gang, White Textured

FP-G4-A-S

Decorator Style Faceplate, 4-Gang, Almond Smooth

FP-G4-A-T

Decorator Style Faceplate, 4-Gang, Almond Textured

FP-G4-B-S

Decorator Style Faceplate, 4-Gang, Black Smooth

FP-G4-B-T

Decorator Style Faceplate, 4-Gang, Black Textured

FP-G4-BRN-S

Decorator Style Faceplate, 4-Gang, Brown Smooth

FP-G4-DA-S

Decorator Style Faceplate, 4-Gang, Dark Almond Smooth

FP-G4-DSK-T

Decorator Style Faceplate, 4-Gang, Dusk Textured

FP-G4-GRY-S

Decorator Style Faceplate, 4-Gang, Gray Smooth

FP-G4-IVR-S

Decorator Style Faceplate, 4-Gang, Ivory Smooth

FP-G4-LAT-T

Decorator Style Faceplate, 4-Gang, Latte Textured

FP-G4-W-S

Decorator Style Faceplate, 4-Gang, White Smooth

FP-G4-W-T

Decorator Style Faceplate, 4-Gang, White Textured



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FP-G1-RED-S

Decorator Style Faceplate, 1-Gang, Red Textured

FP-G2-RED-S

Decorator Style Faceplate, 2-Gang, Red Textured

FP-G3-RED-S

Decorator Style Faceplate, 3-Gang, Red Textured

FP-G4-RED-S

Decorator Style Faceplate, 4-Gang, Red Textured

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 EXWireless Expander, model CLW-EXPEX, is also available.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

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

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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