

Cameo® In-Wall Universal Phase Dimmer, 120 VAC



- Provides forward-phase and reverse-phase universal dimming - with auto load detection control
- Field replaceable and engravable buttons
- Configurable up to 4 buttons
- Supports remote dimmers/switches ([CLW-SLVU-P](#), sold separately)
- Available in a variety of finishes
- Modeled with popular Cameo® keypad style
- Robust infiNET EX® wireless communication
- Preinstalled large rocker button
- Custom laser-etched engravable buttons (sold separately)
- Crestron Home® OS compatible
- Screw clamp connectors for easier and improved installation

The CLW-DIMUEX-P is a Cameo® wireless in-wall universal phase dimmer that controls the following load types: LED, incandescent, magnetic low voltage, and electronic low voltage. 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, infiNET EX® wireless communication technology brings proven reliability to the CLW-DIMUEX-P.

Remote Dimmer

The CLW-DIMUEX-P supports lighting load control from more than one location. Easily replace existing dimmers and switches wired in a traditional 3 or 4-way circuit with load controls from every location, or design new projects to accommodate remote dimmers. The [CLW-SLVU-P](#) (sold separately) remote dimmer connects to the traveler wire and dims the load attached to the CLW-DIMUEX-P.

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.

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 are made to the load.

Custom Programmable Keypad

Because the CLW-DIMUEX-P is attached to the Crestron network, it also functions as a keypad, sending commands to trigger whole-room 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® Wireless 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.

The device communicates with a control system via a [Crestron Wireless Gateway](#) (sold separately). Up to 100 infiNET EX devices may coexist on a wireless network.

NOTE: 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 is also available ([CLW-EXPEX](#), sold separately).

Streamlined Installation

The CLW-DIMUEX-P features screw-clamp connectors for simplified wiring, reducing installation time and material costs. The Cameo line can be installed in standard gang boxes making them the perfect choice for both new and retrofit projects.

Multigang Expansion

Devices can be installed side-by-side in a multigang electrical box with a compatible decorator faceplate ([FP-G Series](#), sold separately).

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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

120VAC, 50/60 Hz

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) push button on right side of airgap switch; Accessible when airgap is closed; Used when changing the button assembly and setting preset levels
Dimming Ramp Rate	3 seconds (default), software adjustable
Preset Fade Time	1 second (default), software adjustable

LED Indicator

Feedback	(7) White LEDs
Bargraph	(1) 7 segment bar graph 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
Gateway	Requires a Crestron Wireless Gateway (sold separately)

Connections

Remote	(1) 14-12 AWG, screw terminal, blue, remote
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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; Neutral wire connection is required for normal operation
Ground	(1) 18 AWG, Class 1 flying lead, green, ground (wire nut included)

Environmental

Temperature	32° to 95°F (0° to 35°C)
Humidity	10% to 90% RH (noncondensing)

Construction

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 (FP-G Series , sold separately).

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

Regulatory Model: M201917001

FCC Part 15 Class B, IC Class B, UL® Listed for US and Canada/Intertek® Listed for US and Canada, CEC Title 24 2013 Compliant

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-W-T

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

CLW-DIMUEX-P-W-S

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

CLW-DIMUEX-P-LAT-T

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

Included Accessories

CLW-BTN-RKR-B-T_BLANK

Rocker Engravable Button Cap for Cameo® In-Wall Dimmers & Switches, Black Textured, Engraving Not Included

CLW-BTN-LG-B-T_BLANK

Large Engravable Button Cap for Cameo® In-Wall Dimmers & Switches, Black Textured, Engraving Not Included

CLW-BTN-SM-B-T_BLANK

Small Engravable Button Cap for Cameo® In-Wall Dimmers, Black Textured, Engraving Not Included

Available Accessories

For a list of available accessories, visit the [CLW-DIMUEX-P](#) product page.

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 contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

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

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

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