

Cameo® In-Wall 0-10V Dimmer, 120V



- Provides 0-10V dimming control
- Field replaceable and engravable buttons
- Configurable up to 4 buttons
- LED bargraph array provides real-time status feedback
- Available in a variety of finishes
- Modeled with popular Cameo® keypad style
- Robust infiNET EX® wireless communication
- Crestron Home® OS compatible
- Screw clamp connectors for easier & improved installation

The CLW-DIMFLVEX-P is a Cameo® wireless in-wall dimmer that delivers native Crestron® control to 0-10V dimmable fixtures or switched loads in new or retrofit 120V applications. Along with the entire line of Cameo products, it can be configured with various button layouts and designer colors, making the CLW-DIMFLVEX-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-DIMFLVEX-P.

Field-Replaceable and Engravable Buttons

The buttons on the CLW-DIMFLVEX-P can be swapped in the field, making it easy to change the engraving or color after installation. The rocker controller brings an easy to utilize user interface to the Crestron in-wall dimmer. Use up to 4 buttons to take advantage of prime single-gang wall box real estate; buttons can 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-DIMFLVEX-P into any décor and style, suiting every space.

Custom Programmable Keypad

Because the CLW-DIMFLVEX-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-DIMFLVEX-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).

Specifications

Load Requirements

Maximum Load	5A, mechanically latching relay
Dim Load Types	0-10V fluorescent ballast or LED driver (4-wire)
Dim Control Output	0-10VDC 60 mA sink/source
Switch Load Types	Incandescent, ELV, MLV, fluorescent ballast, HID

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Power Requirements

120VAC, 50/60 Hz, liner power; Dedicated neutral wire required

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
Gateway	Requires a Crestron Wireless Gateway (sold separately)

Connections

Line In	(1) 16 AWG flying lead, black
Neutral	(1) 16 AWG flying lead, white; Neutral wire connection is required for normal operation
Ground	(1) 16 AWG Class 1 flying lead, green, ground
SW/Dim Out	(1) 16 AWG flying lead, red
Dim +	(1) 16 AWG flying lead, purple
Dim -	(1) 16 AWG flying lead, gray

Environmental

Temperature	32° to 104°F (0 °to 40°C)
Humidity	10% to 90% RH (noncondensing)

Construction

Mounting	1-gang mountable in a 3-1/2 in. deep electrical box; Derating required in multigang applications
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	1.80 in. (46 mm)

Weight

5 oz (142 g)

Compliance

Regulatory Model: CLW-DIMFLVEX-P

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

To search for product certificates, refer to support.crestron.com/app/certificates.

Models

CLW-DIMFLVEX-P-A-S	In-Wall 0-10V Dimmer, 120V, Almond Smooth
CLW-DIMFLVEX-P-A-T	In-Wall 0-10V Dimmer, 120V, Almond Textured
CLW-DIMFLVEX-P-BRN-S	In-Wall 0-10V Dimmer, 120V, Brown Smooth
CLW-DIMFLVEX-P-B-S	In-Wall 0-10V Dimmer, 120V, Black Smooth
CLW-DIMFLVEX-P-B-T	In-Wall 0-10V Dimmer, 120V, Black Textured
CLW-DIMFLVEX-P-DA-S	In-Wall 0-10V Dimmer, 120V, Dark Almond Smooth
CLW-DIMFLVEX-P-DSK-T	In-Wall 0-10V Dimmer, 120V, Dusk Textured
CLW-DIMFLVEX-P-GRY-S	In-Wall 0-10V Dimmer, 120V, Gray Smooth
CLW-DIMFLVEX-P-IVR-S	In-Wall 0-10V Dimmer, 120V, Ivory Smooth
CLW-DIMFLVEX-P-LAT-T	In-Wall 0-10V Dimmer, 120V, Latte Textured
CLW-DIMFLVEX-P-W-S	In-Wall 0-10V Dimmer, 120V, White Smooth

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CLW-DIMFLVEX-P-W-T

In-Wall 0-10V Dimmer, 120V, White Textured

Available Accessories

For a list of available accessories, visit the [CLW-DIMFLVEX-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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