

CLF-LDIMUEX-W

Wireless Lamp Dimmer, 120V, White

The CLF-LDIMUEX is a universal lamp dimmer capable of dimming most 120 Volt AC lighting loads, such as those commonly found with table and floor lamps. Powered by infiNET EX® technology, this device communicates wirelessly with the Crestron® control system, making it perfect for both new and retrofit applications. Intuitively control CLF-LDIMUEX connected lamps with Crestron touch screens, keypads, display monitors, remotes, and other remote control devices. The CLF-LDIMUEX-W-CORD model has an additional connection for lamp switch control, providing a mechanical control for this wireless lamp dimmer.

Universal Dimming

The CLF-LDIMUEX supports dimming incandescent, tungsten-halogen, magnetic low-voltage, electronic low-voltage, LED, and dimmable CFL loads of up to 250 W/VA. Load detection circuitry automatically determines forward- or reverse-phase dimming mode.

Complete Crestron Control

Because it's connected to the Crestron system, the CLF-LDIMUEX can be controlled from any keypad, touch screen, remote, or mobile device. Tie in occupancy sensors and photosensors together with Crestron Fusion® software for a complete solution to effectively manage room assets and monitor energy usage.

Control Via Lamp Switch

Operating the lamp from its switch is simple with the CLF-LDIMUEX-W-CORD model, which includes a contact closure input for wiring the dimmer directly to the lamp switch. The lamp switch functions as it always has without interrupting the dimmer's functionality while dimming and on or off control can still be achieved through connected devices in the Crestron control system. This model supports either a momentary or maintained switch. A maintained switch provides basic on and off functions; a momentary, pushbutton-type



switch can be used to raise and lower the dimming level. Alternatively, a footswitch can be used.

infiNET EX

Ultra-reliable infiNET EX wireless technology provides steadfast two-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 CLF-LDIMUEX communicates with a Crestron control system via an infiNET EX Wireless Gateway (model **CEN-GWEXER**

, **CEN-RFGW-EX**, **DIN-AP3MEX**, or **MC3**[2]). Up to 100 infiNET EX devices 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] Built-in Dynamic Frequency Allocation continuously monitors RF conditions, automatically selecting the clearest channel to prevent interference from neighboring networks, cordless

CLF-LDIMUEX-W

Wireless Lamp Dimmer, 120V, White

phones, and microwaves.

SPECIFICATIONS

Load Ratings

Number of Channels: 1

Maximum Load: 250 W/VA at 120 Volts AC, 60 Hz

Load Types: Incandescent, tungsten-halogen, magnetic low-voltage, electronic low-voltage, LED, dimmable CFL

Input Voltage

120 Volts AC, 60 Hz, line power

Wireless Communications

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM channels

11-26 (2400 to 2483.5 MHz), default channel 15;

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

POWER IN: (1) White, 3 ft (1 m), 18 AWG (1.5 mm²)

LOAD OUT: (1) White, 1 ft (0.3 m), 16 AWG (1.5 mm²)

LAMP SWITCH CONTROL INPUT

(CLF-LDIMUEX-W-CORD Model Only): (1) White, 1 ft (0.3 m),

18 AWG (1.5 mm²) cord with IEC 60320 C7 connector for

connecting to Lamp Switch Control Cord;

Requires a [CLF-LAMPCORD](#) ^[2]

Protection

Electronic over voltage protection; Electronic over current protection; Fuse; Shorted FET magnetic transformer protection

Controls & Indicators

Setup: (1) Miniature pushbutton, initiates Acquire mode for joining an infiNET EX network

On: (1) Green LED, indicates power is supplied to the load

Off: (1) Green LED, indicates power is not supplied to the load

Enclosure

Plastic

Environmental

Temperature: 32° to 104° F (0° to 40° C)

Humidity: 10% to 90% RH (non-condensing)

Dimensions

Height: 7.00 in (178 mm)

Width: 2.13 in (55 mm)

Length: 1.63 in (41 mm)

Weight

6.7 oz (189 g)

Electrical Regulatory Certifications

UL244A

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. Crestron also offers dedicated infiNET EX expanders (models **CLW-EXPEX** or **GLA-EXPEX**, sold separately), which may be deployed to fill gaps in coverage and extend the wireless range of the mesh network. Up to 100 infiNET EX devices are permitted per gateway, although best practices suggest a limit of approximately 50. Additional gateways may be deployed to support more devices, with a maximum of 16 gateways permitted on a complete system (RF conditions allowing).

2. Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a

CLF-LDIMUEX-W

Wireless Lamp Dimmer, 120V, White

dealer, please contact the Crestron sales representative for your area. A

list of sales representatives is available online at www.crestron.com.

com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at:

patents.crestron.com.

Certain Crestron products contain open source software. For specific

information, visit www.crestron.com/opensource.

Crestron, the Crestron logo, Crestron Fusion, and infinET EX are either

trademarks or registered trademarks of Crestron Electronics, Inc. in the

United States and/or other countries. Other trademarks, registered

trademarks, and trade names may be used in this document to refer to either

the entities claiming the marks and names or their products. Crestron

disclaims any proprietary interest in the marks and names of others.

Crestron is not responsible for errors in typography or photography.

Specifications are subject to change without notice. ©2015 Crestron

Electronics, Inc.