



Description

The Crestron® CLF-LDIMUEX is a universal lamp dimmer capable of dimming most 120 Vac lighting loads, such as those commonly found with table and floor lamps. Powered by infiNET EX® technology, this device communicates wirelessly with the control system, making it perfect for both new and retrofit applications. CLF-LDIMUEX lets you control any lamp from a touch screen, keypad, on-screen display, or other Crestron remote control device. For complete in-sync control, the CLF-LDIMUEX also connects directly to the switch located on the lamp.

CLF-LDIMUEX Specifications

SPECIFICATION	DETAILS
Input Voltage	120 Vac, 60 Hz, line power
Load Ratings	
Number of Channels	1
Maximum Load per Channel	250 W/250 VA
Load Types	Incandescent, tungsten-halogen, magnetic low-voltage, electronic low-voltage, LED, dimmable CFL
Environmental	
Temperature	32°F to 104°F (0°C to 40 °C)
Humidity	10% to 90% RH (noncondensing)

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR image.



Important Notes

WARNING: To avoid fire, shock, or death, turn off the power at the circuit breaker or fuse and test that the power is off before wiring!

CAUTION: TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO OTHER EQUIPMENT, DO NOT INSTALL TO CONTROL A RECEPTACLE OR A TRANSFORMER-SUPPLIED APPLIANCE.

ATTENTION: GRADATEURS COMMANDANT UN BALLAST-AFIN DE REDUIRE LE RISQUE DE SURCHAUFFE ET LA POSSIBILITE D'ENDOMMAGEMENT A D'AUTRES MATERIELS, NE PAS INSTALLER POUR COMMANDER UNE PRISE OU UN APPAREIL ALIMENTE PAR UN TRANSFORMATEUR.

NOTES: Observe the following points:

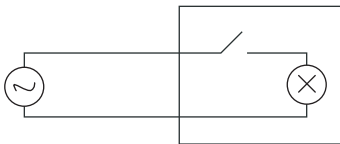
- Install and use the CLF-LDIMUEX in accordance with appropriate electrical codes and regulations.
- Use the dimmer where temperatures are between 32°F and 104°F (0°C and 40°C).

NOTE: Record the serial number of the device before installation. Refer to infiNET EX Important Notice (Doc. 7179) included in the box.

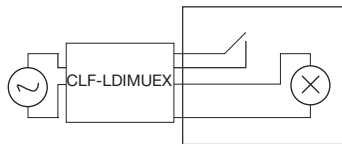
The device must remain in an accessible location when placed into Acquire mode and joined to a gateway.

Remote Switch Wiring Options

Standard Lamp Wiring

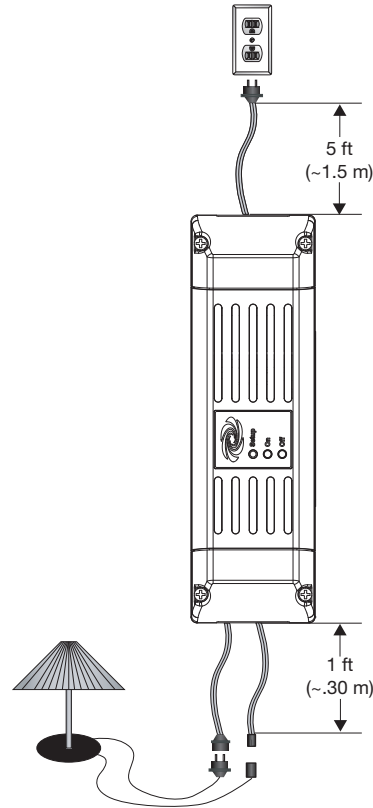


CLF-LDIMUEX Wiring with Contact Closure



Wiring

Typical Wiring Diagram



NOTE: The contact closure does not need to be connected for proper operation.

Installation

WARNING: To avoid fire, shock, or death, turn off the power at the circuit breaker or fuse and test that the power is off before wiring!

NOTE: A licensed electrician must install the dimmer.

NOTE: Before using the CLF-LDIMUEX, ensure the device is using the latest firmware. Check for the latest firmware for the CLF-LDIMUEX at www.crestron.com/firmware. Firmware is loaded onto the device using Crestron Toolbox™.

Complete the following procedure to install a CLF-LDIMUEX dimmer:

1. Connect the lamp to the female 2-pin polarized NEMA1-15R connector of the CLF-LDIMUEX.
2. Connect the contact closure from the lamp to the female C7 connector of the dimmer (optional).
3. Plug the male 2-pin polarized NEMA1-15P cord of the dimmer to a standard 120 V power outlet.

CAUTION: The CLF-LDIMUEX should be placed in a well-ventilated and dry area.

Local and Remote Operation

The operation described in this guide assumes the CLF-LDIMUEX is in Local mode, where the external slave-switch (sold separately) directly controls the light levels on the dimmer. The device can also operate in Remote mode, where the external slave-switch sends commands to the control system and the commands are then routed to control the load.

Local mode options (available in SIMPL Windows):

- Maintained Switch (Default): The unit toggles on and off when the slave-switch is toggled.
- Momentary Switch:
 - > Single Tap - Toggles the load on and off.
 - > Double Tap - Initiates a fast-full-on.
 - > Hold - Initiates cycle dimming.

The device connects to the Crestron network via the infiNET EX communications protocol. Use the procedures outlined below to join or leave an infiNET EX network and to verify communications between the device and the control system.

Joining an infiNET EX Network

Before a device can be used in a lighting system, it must first join an infiNET EX network. To join an infiNET EX network, the device must be acquired by an infiNET EX gateway.

NOTE: A device can be acquired by only one gateway.

- Put the infiNET EX gateway into Acquire mode from the unit itself or from Crestron Toolbox. Refer to the gateway’s manual at www.crestron.com/manuals for details.

NOTE: In an environment where multiple gateways are installed, only one gateway should be in Acquire mode at any time.

- Put the device into Acquire mode.
 - Tap the Setup button on the device three times, and then press and hold it down (tap-tap-tap-press+hold) until the On and Off LEDs blink once (this can take up to 10 seconds).
 - Release the Setup button to start the acquire process. The On LED and the attached load blink slowly to show that the device is actively scanning the infiNET EX network.

NOTE: The acquire process can also be initiated by a remote maintained switch (if equipped) by flipping the switch four times rapidly or by tapping the remote momentary switch (if equipped) four times rapidly. The On LED and attached load will blink (this can take up to 10 seconds).

- The On LED and attached load turn on for 5 seconds to show that the device has been successfully acquired by the infiNET EX network.
- The On LED and attached load blink fast to indicate that the device was not successfully acquired by the infiNET EX network. Tap the button to acknowledge the failure. Ensure the gateway is in Acquire mode and within range before attempting the acquire process again.

- Once all devices have been acquired, take the gateway out of Acquire mode. Refer to the gateway’s manual for details.

Leaving an infiNET EX Network

To leave an infiNET EX network, put the device into Acquire mode, as described in “Joining an infiNET EX Network” above, when no gateway is in Acquire mode.

Verifying Communications Status

To check the communications status of the device, tap the Setup button three times and then press and hold it down (tap-tap-tap-press+hold) for up to 2 seconds. The LED blinks to indicate the communications status. Refer to the following table for details.

LED	COMMUNICATIONS STATUS
Turns on for 5 seconds	The device is communicating with the control system.
Blinks three times	The device is communicating with the gateway, but the gateway is not communicating with the control system.
Blinks twice	The device was previously joined to the network but is not communicating with the gateway.
Blinks once	The device is not joined to the network.

The following table provides corrective actions for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative.

CLF-LDIMUEX Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The device does not function.	The dimmer is not receiving power.	Verify that the dimmer is properly connected to the power line and neutral. Verify that the circuit breaker is closed.
	The dimmer is in Remote mode.	Check the program to determine or change the operating mode.
	The dimmer is not communicating with the network.	Use the Crestron Toolbox to poll the network. Verify the network connection to the device.

This product is Listed to applicable UL Standards and requirements by Underwriters Laboratories Inc.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:

- (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user’s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes : (1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d’Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d’un type et d’un gain maximal (ou inférieur) approuvé pour l’émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l’intention des autres utilisateurs, il faut choisir le type d’antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l’intensité nécessaire à l’établissement d’une communication satisfaisante.

To satisfy RF exposure requirements, this device and its antenna must operate with a separation distance of at least 20 centimeters from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

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

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

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

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This document was written by the Technical Publications department at Crestron.

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Crestron Electronics, Inc.
 15 Volvo Drive Rockleigh, NJ 07647
 Tel: 888.CRESTRON
 Fax: 201.767.7576
www.crestron.com

Installation & Operation Guide - DOC. 7285B
 (2032222)