Description

Crestron® wireless dimmers provide precise, effortless control of table and floor lamps when connected to a Crestron control system. Simply plug the dimmer into a powered wall receptacle, plug a lamp into the dimmer, and then connect to an infiNET EX® wireless network to begin controlling the lamp.

Crestron offers three models of wireless lamp dimmers:

- CLW-LDIMEX-1GD: One-channel output, ground pin down
- CLW-LDIMEX-1GU: One-channel output, ground pin up
- CLW-LDIMEX-2GD: Two-channel output, ground pin down

The CLW-LDIMEX-1GD, CLW-LDIMEX-1GU, and CLW-LDIMEX-2GD are functionally similar. For simplicity throughout this guide, the term "CLW-LDIMEX" is used except when noted.
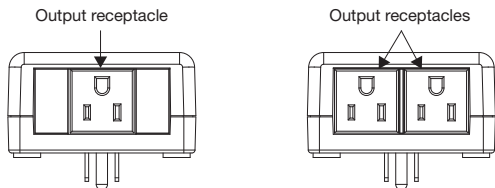
Additional Resources

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.

Installation

1. Plug the CLW-LDIMEX into a powered wall receptacle. The output receptacle(s) on the CLW-LDIMEX must face down.
2. If necessary, use the screw that holds the faceplate to secure the CLW-LDIMEX.
3. Plug the lamp(s) into the output receptacle(s) on the CLW-LDIMEX.

CLW-LDIMEX-1GU/-1GD (Left) and CLW-LDIMEX-2GD (Right) Output Receptacles

Output receptacle   Output receptacles

4. Join the infiNET EX network. For details, refer to "Wireless Communications."
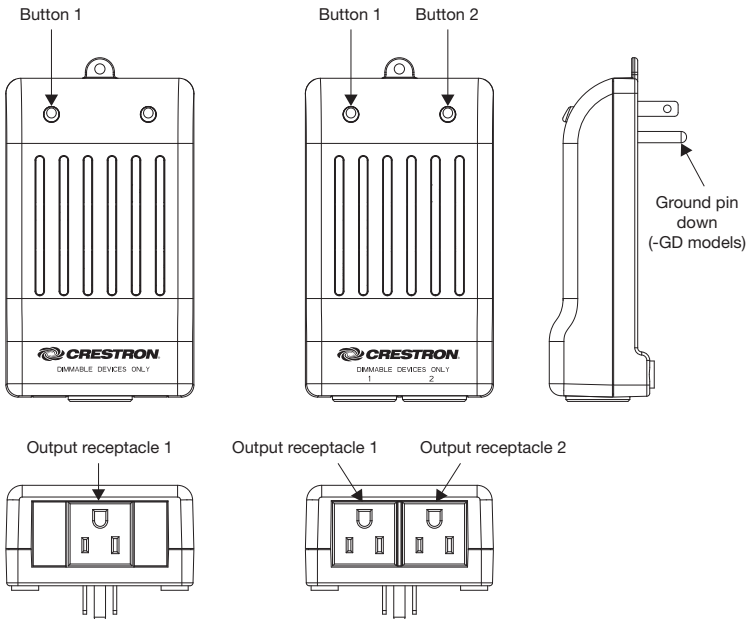
Operation

NOTE: Before using the CLW-LDIMEX, ensure the latest firmware is loaded. Check for the latest firmware at www.crestron.com/firmware. Load the firmware onto the CLW-LDIMEX using Crestron Toolbox™ software.

The CLW-LDIMEX-1GD and CLW-LDIMEX-1GU have one control button (Button 1) that provides control to output receptacle 1 and the CLW-LDIMEX-2GD has two control buttons (Button 1 and Button 2) that provide control to output receptacle 1 and output receptacle 2. Press Button 1 or Button 2 to toggle the lamp, press and hold the button to dim the lamp.

Each control button has an integrated, green LED that lights when its output receptacle is energized.

CLW-LDIMEX-1GU/-1GD   *CLW-LDIMEX-2GD*

Button 1   Button 1   Button 2

Ground pin
down
(-GD models)

Output receptacle 1   Output receptacle 1   Output receptacle 2

Dim and Non-Dim Mode

The CLW-LDIMEX controls dimmable lamps by operating in Dim mode (default functionality). To control a non-dimmable lamp, change the operating mode to Non-Dim mode. To change between Dim and Non-Dim mode:

1. Unplug the lamp(s) from the CLW-LDIMEX.
2. Unplug the CLW-LDIMEX from the wall receptacle.
3. Press and hold Button 1 to change the operating mode of output receptacle 1 or Button 2 to change the operating mode of output receptacle 2. While holding the button, plug the CLW-LDIMEX into the wall receptacle.

   NOTE: Output receptacle 1 and output receptacle 2 must be changed independently. Do not press Button 1 and Button 2 at the same time. Repeat this process for each output receptacle.

4. Continue holding Button 1 or Button 2 until its LED flashes 5 times to indicate Non-Dim mode or 3 times to indicate Dim mode.

Wireless Communications

The CLW-LDIMEX communicates with the Crestron control system using the infiNET EX wireless network. Follow the procedures below to join or leave an infiNET EX wireless network and to verify communications between the CLW-LDIMEX and the control system.

Join the infiNET EX Wireless Network

NOTE: Consider the following when joining the infiNET EX network:

- The CLW-LDIMEX can be acquired by only one network.
- Ensure that the CLW-LDIMEX is within range of the infiNET EX wireless network.
- In an environment where multiple gateways are installed, only place one gateway at a time in Acquire mode.

To communicate on the infiNET EX wireless network, the CLW-LDIMEX must first join the infiNET EX wireless network. To join the infiNET EX wireless network:

1. Press the **ACQUIRE** button on the infiNET EX gateway.
2. Press Button 1 on the CLW-LDIMEX three times, and then press and hold it down (press, press, press, press+hold) until the LED on the CLW-LDIMEX flashes once (this can take up to 10 seconds), then release the button. The LED flashes slowly to show that the CLW-LDIMEX is attempting to join the infiNET EX wireless network.

   NOTE: Button 1 or Button 2 on the CLW-LDIMEX-2GD can be used to perform this procedure. Use the same button throughout the entire procedure.

   a. When the CLW-LDIMEX's LED turns on for 5 seconds, it has joined the infiNET EX wireless network.
   b. If the CLW-LDIMEX's LED flashes quickly, it did not join the infiNET EX wireless network. Press Button 1 to acknowledge, and then repeat step 2 to join the infiNET EX wireless network.

3. Exit Acquire mode on the infiNET EX gateway.

Leave the infiNET EX Wireless Network:

1. Verify that the CLW-LDIMEX is not within range of a gateway that is in Acquire mode.

   NOTE: On CLW-LDIMEX-2GD, either button may be used to perform the procedure below.

2. Press Button 1 on the CLW-LDIMEX three times, and then press and hold it down (press, press, press, press+hold) until the LED on the CLW-LDIMEX flashes once (this can take up to 10 seconds), then release the button. The LED flashes slowly.
3. The LED flashes quickly to indicate that the CLW-LDIMEX has left the infiNET EX wireless network. Press Button 1 to acknowledge that the CLW-LDIMEX has left the infiNET EX network and to stop the flashing LED.

Verify Communications Status

NOTE: On CLW-LDIMEX-2GD, either button can be used to perform the procedure below.

To check the communications status of the CLW-LDIMEX, press Button 1 on the CLW-LDIMEX three times, and then press and hold it down (press, press, press, press+hold) for less than 2 seconds. The CLW-LDIMEX's LED flashes to indicate the communications status.
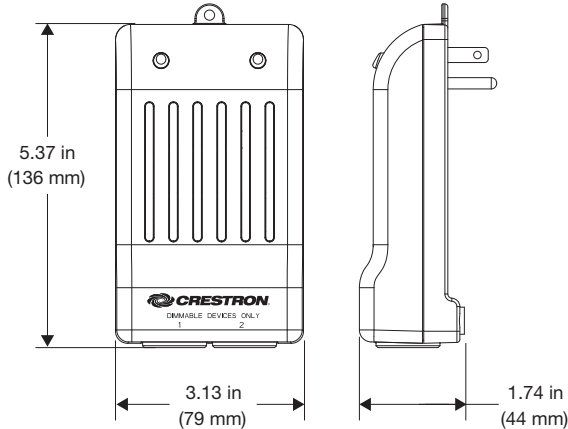
LED	COMMUNICATIONS STATUS
Turns on for 5 seconds	The CLW-LDIMEX is communicating with the control system.
Flashes three times	The CLW-LDIMEX is communicating with the gateway, but the gateway is not communicating with the control system.
Flashes twice	The CLW-LDIMEX was previously joined to the network but is not communicating with the gateway.
Flashes once	The CLW-LDIMEX is not joined to the network.

Specifications

SPECIFICATION	DETAILS
Power Requirements	120 VAC, 60 Hz
Load Ratings*	
Incandescent/ Tungsten Halogen	600 Watts total
Magnetic Low Voltage	600 VA / 450 Watts total
Environmental	
Temperature	23º to 104 ºF (0º to 40 ºC)
Humidity	10% to 90% RH (non-condensing)

* The load may be split across both channels on the CLW-LDIMEX-2GD.

Dimensions

5.37 in
(136 mm)

3.13 in
(79 mm)

1.74 in
(44 mm)

Troubleshooting

The following table provides corrective action for possible problems with installation or operation of the device. If further assistance is required, please contact a Crestron customer service representative.

PROBLEM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The lamp does not function.	The CLW-LDIMEX is not connected to a live wall outlet.	Verify that the CLW-LDIMEX is plugged into an AC outlet and that the circuit breaker is closed. The LED on the CLW-LDIMEX will be green.
		Verify that the wall outlet is not switched.
	The lamp switch is not turned on.	Turn the lamp on using the lamp switch.
	The lamp is not connected to the CLW-LDIMEX.	Plug the lamp into the CLW-LDIMEX.
The lamp cannot be controlled from the control system.	The CLW-LDIMEX is not acquired to the infiNET EX gateway.	Acquire the CLW-LDIMEX to the infiNET EX gateway.