CLW-LSWEX-1GD/CLW-LSWEX-1GU/CLW-LSWEX-2GD

Wireless Lamp Switch

Installation and Operation Guide

infiNET EX®

Description

The CLW-LSWEX-1GD, CLW-LSWEX-1GU, and CLW-LSWEX-2GD are plug-in switches designed to operate as part of a complete Crestron® automation system communicating via the infiNET EX® wireless control network. Without the need for additional control wiring, the CLW-LSWEX-1GD, CLW-LSWEX-1GU, and CLW-LSWEX-2GD easily act in place of a standard light switch for conventional floor and table lamps.

The CLW-LSWEX-1GD, CLW-LSWEX-1GU, and CLW-LSWEX-2GD are functionally identical. For simplicity within this guide, the term "CLW-LSWEX" is used except where noted.

CLW-LSWEX Specifications

SPECIFICATION	DETAILS
Power Requirements	120 Vac, 60 Hz
Load Ratings	
Incandescent/ Tungsten Halogen	600 W total*
Magnetic Low-Voltage	600 VA / 450 W total*
Environmental	
Temperature	32 °F to 104 °F (0 °C to 40 °C)
Humidity	10% to 90% RH (noncondensing)

* The load can be split across both channels in the CLW-LSWEX-2GD.

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

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

To install the CLW-LSWEX:

1. Plug the CLW-LSWEX into a wall outlet.
2. Use the wall plate screw to secure the CLW-LSWEX to the wall plate (optional).
3. Plug the controlled lamp(s) into the receptacle(s) located on the bottom of the CLW-LSWEX.
4. Acquire the CLW-LSWEX to the infiNET EX network.

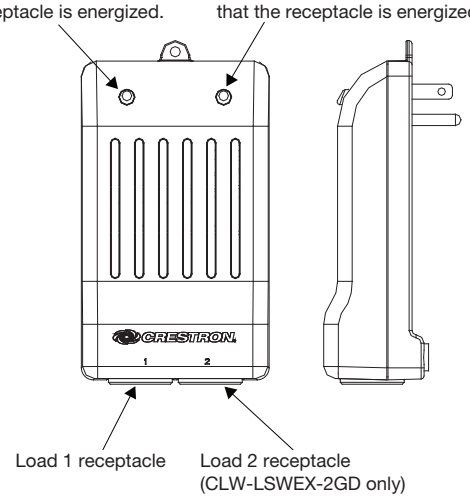
Operation

Refer to the following diagram when operating the CLW-LSWEX.

Operating the CLW-LSWEX (CLW-LSWEX-2GD Shown)

Button 1:
Press this button to toggle load 1 on and off.
The green LED lights to indicate that the receptacle is energized.

Button 2 (CLW-LSWEX-2GD Only):
Press this button to toggle load 2 on and off.
The green LED lights to indicate that the receptacle is energized.



Wireless Communications

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.

1. 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.

2. Put the device into Acquire mode.
   a. Tap button 1 on the device three times, and then press and hold it down (tap-tap-tap-press+hold) until the LED on the device blinks once (this can take up to 10 seconds).

      NOTE: On the CLW-LSWEX-2GD, button 1 or 2 can be used.

   b. Release the button to start the acquire process. The top LED blinks slowly to show that the device is actively scanning the infiNET EX network.
      - The LED turns on for 5 seconds to show that the device has been successfully acquired by the infiNET EX network.
      - The LED blinks fast to indicate that the device was not successfully acquired by the infiNET EX network. Tap the top button to acknowledge the failure. Ensure the gateway is in Acquire mode and within range before attempting the acquire process again.
3. 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 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 is not communicating with the gateway.
Blinks once	The device is acquired but is not communicating with the network.
Stays off	The device is not joined to the network.

Troubleshooting

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

CLW-LSWEX Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The lamp does not function.	The CLW-LSWEX is not plugged into a live wall outlet.	Verify that the CLW-LSWEX is plugged into an ac outlet and that the circuit breaker is closed. The green LED on the CLW-LSWEX lights when the device is energized.
	The lamp is not turned on.	Turn on the load locally at the lamp (i.e. at the lamp switch).
	The lamp is not connected to the CLW-LSWEX.	Connect the lamp to the CLW-LSWEX.
The lamp cannot be controlled from the control system.	The CLW-LSWEX is not acquired to the network.	Acquire the CLW-LSWEX to the network.

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

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Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two 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 separation between the equipment and the 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

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device may accept any interference, including interference that may cause undesired operation of the device.

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 colocated 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.

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

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