

# Crestron CLW-LSWEX Series Wireless Lamp Switches Operations Guide



## Regulatory Compliance

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 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.

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Specifications subject to  
change without notice.

## DESCRIPTION

The CLW-LSWEX series of wireless lamp switches plug into a standard 3-prong outlet (available in "upward" or "downward" orientation) and provide control of conventional floor or table lamps.

Available in single or dual-channel models, the CLW-LSWEX series can be controlled wirelessly and also via a local push-button switch.

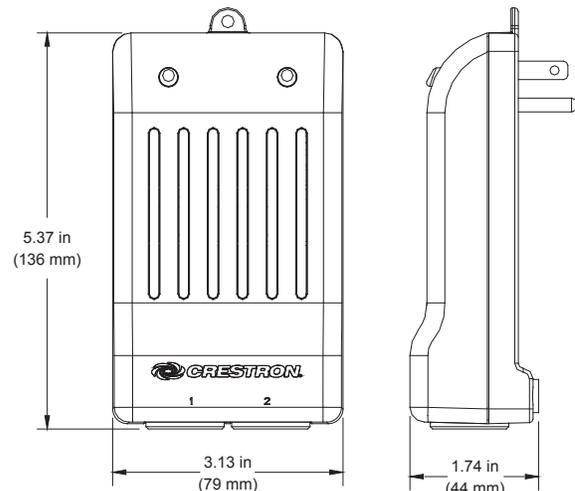
## SPECIFICATIONS

SPECIFICATION	DETAIL
Load Ratings Incandescent, Tungsten Halogen, Magnetic Low-Voltage, Fluorescent	600 W/VA max total. i.e. on 2-channel version you can split 300W on each or 600W on 1 and none on the other
Motor	1/2 HP
Power Requirements	120 Volts AC, 60Hz
Default RF ID	01 <sup>1</sup>
Minimum 2-Series Control System Update File <sup>2,3</sup>	Version 4.001.1012 or later
RF Wireless RF Transceiver	infiNET EX™ 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), IEEE 802.15.4 compliant
Range (typical)	100 feet (~30 meters) line of site indoor, subject to site-specific conditions
Gateway	Requires a CEN-RFGW-EX infiNET EX Gateway (sold separately)
Environmental Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (non-condensing)
Enclosure	Plastic enclosure with 3-prong connector
Dimensions Height	5.37 in (136 mm)
Width	3.13 in (79 mm)
Depth	1.74 in (44 mm)
Weight	6.8 oz (0.19 kg), Single Channel Models 7.8 oz (0.22 kg), Dual Channel Model
Available Models CLW-LSWEX-1GD-W-T	Single-channel switch, Ground pin down, Textured, White
CLW-LSWEX-1GU-W-T	Single-channel switch, Ground pin up, Textured, White
CLW-LSWEX-2GD-W-T	Dual-channel switch, Ground pin down, Textured, White
Available Accessories CEN-RFGW-EX	infiNET EX Gateway
CEN-RFGW-EX-PWE	infiNET EX Gateway w/PoE Injector
CLW-EXPEX-GD-W-T	infiNET EX Wireless Expander

1. Requires set up with Crestron Toolbox™.
2. The latest software versions can be obtained from the Crestron website. Refer to the NOTE following these footnotes.
3. Crestron 2-Series control systems include the AV2 and PRO2. Consult the latest Crestron Product Catalog for a complete list of 2-Series control systems.

**NOTE:** Crestron software and any files on the website are for authorized Crestron dealers and Crestron Authorized Independent Programmers (CAIP) only. New users may be required to register to obtain access to certain areas of the site (including the FTP site).

## CLW-LSWEX Series (CLW-LSWEX-2GD-W-T shown)



## INSTALLATION

Installation of a CLW-LSWEX consists of the following:

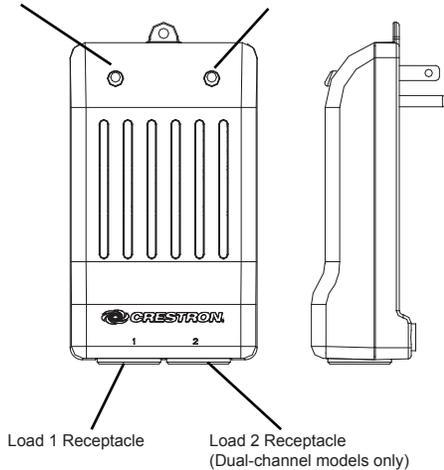
1. Connect the CLW-LSWEX to a wall outlet.
2. Secure the CLW-LSWEX to the wall plate (optional).
3. Connect the controlled lamp(s) to the CLW-LSWEX.
4. Acquire the CLW-LSWEX to the infiNET EX™ network.

## OPERATION

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

**Button 1:** Press to toggle load 1 on/off. Green LED will light to indicate that receptacle is energized.

**Button 2:** Press to toggle load 2 on/off. Green LED will light to indicate that receptacle is energized. (Dual-channel models only)



## infiNET EX Network

Before the CLW-LSWEX can be used in a lighting system, it must first be acquired to a CEN-RFGW-EX gateway that is connected to a Crestron control system.

**NOTE:** A CLW-LSWEX can be acquired to only one gateway.

1. Place the CEN-RFGW-EX in the *Acquire* mode, from the unit itself (press the **ACQUIRE** button) or from Crestron Toolbox™. For details, refer to the latest revision of the CEN-RFGW-EX Operations & Installation Guide (Doc. 6706) which is available from the Crestron website ([www.crestron.com/manuals](http://www.crestron.com/manuals)) or the Crestron Toolbox help file.

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

2. Tap the button on the CLW-LSWEX three times then press and hold until the button(s) blinks (may take up to 10 seconds).

**NOTE:** On CLW-LSWEX devices with two receptacles, either button can be used.

3. Release the button. The button will flash slowly while it searches for a gateway in the *Acquire* mode. When the CLW-LSWEX is acquired, the button will stay lit for five seconds then turn off. If the CLW-LSWEX fails to acquire, the button will flash rapidly.
4. Take the CEN-RFGW-EX out of the *Acquire* mode after all devices have been acquired by either pressing the **ACQUIRE** button on the CEN-RFGW-EX or using Crestron Toolbox. For details, refer to the latest revision of the CEN-RFGW-EX Operations & Installation Guide (Doc. 6706).

**NOTE:** To leave a gateway, place the device in the *Acquire* mode when there is no gateway in the *Acquire* mode.

To check the communication status of the CLW-LSWEX, perform the tap-tap-tap-hold (step 2 above), but release the button after approximately two seconds. At this point, the button will indicate communication status as described below.

<b>Turns On</b>	Device communicating with control system.
<b>Blinks 3 Times</b>	Device communicating with gateway, but gateway not communicating with control system.
<b>Blinks 2 Times</b>	Device not communicating with gateway.
<b>Blinks 1 Time</b>	Device acquired but not communicating with network.
<b>Stays Off</b>	Device not joined to network.

## PROBLEM SOLVING

### TROUBLESHOOTING

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

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

### REFERENCE DOCUMENTS

The latest version of all documents mentioned within the guide can be obtained from the Crestron website ([www.crestron.com/manuals](http://www.crestron.com/manuals)). This link will provide a list of product manuals arranged in alphabetical order by model number.

DOCUMENT TITLE
CEN-RFGW-EX infiNET EX™ Gateway

### FURTHER INQUIRIES

If you cannot locate specific information or have questions after reviewing this guide, please take advantage of Crestron's award winning customer service team by calling Crestron at 1-888-CRESTRON [1-888-273-7876].

You can also log onto the online help section of the Crestron website ([www.crestron.com/onlinehelp](http://www.crestron.com/onlinehelp)) to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

### FUTURE UPDATES

As Crestron improves functions, adds new features and extends the capabilities of the CLW-LSWEX, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Crestron website periodically for manual update availability and its relevance. Updates are identified as an "Addendum" in the Download column.

## Return and Warranty Policies

### Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange or service without prior authorization from CRESTRON. To obtain warranty service for CRESTRON products, contact an authorized CRESTRON dealer. Only authorized CRESTRON dealers may contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number and return address.
2. Products may be returned for credit, exchange or service with a CRESTRON Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to CRESTRON, 6 Volvo Drive, Rockleigh, N.J. or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. CRESTRON reserves the right in its sole and absolute discretion to charge a 15% restocking fee plus shipping costs on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by CRESTRON, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

### CRESTRON Limited Warranty

CRESTRON ELECTRONICS, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from CRESTRON, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touchscreen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from CRESTRON or an authorized CRESTRON dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

CRESTRON shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended or if it has been subjected to misuse, accidental damage, modification or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall CRESTRON be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. CRESTRON is not liable for any claim made by a third party or made by the purchaser for a third party.

CRESTRON shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, CRESTRON makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supersedes all previous warranties.

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