CREE ⇕ LIGHTING

Cree Wireless Scene Controller With SmartCast® Technology
Wireless Scene Controller

Includes: CSC-SC-XX

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

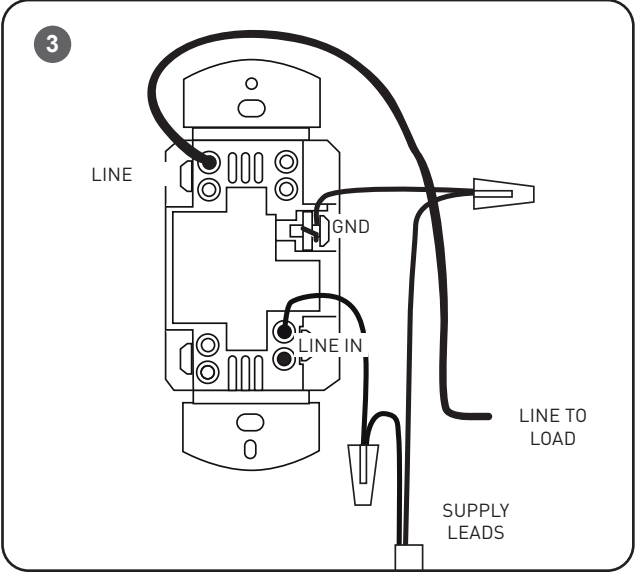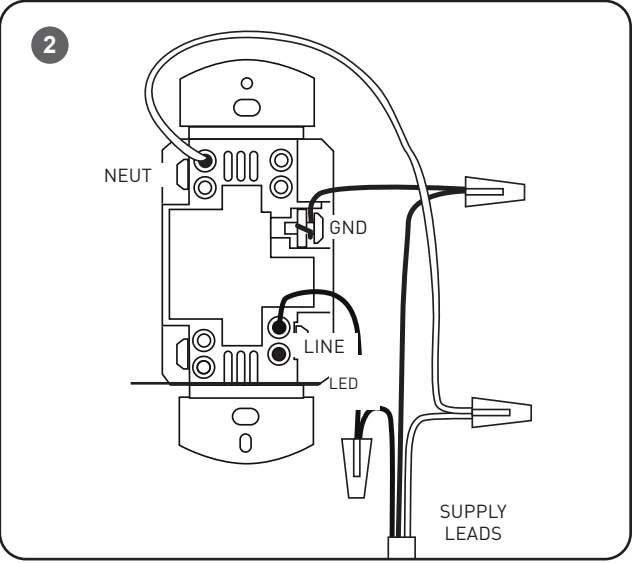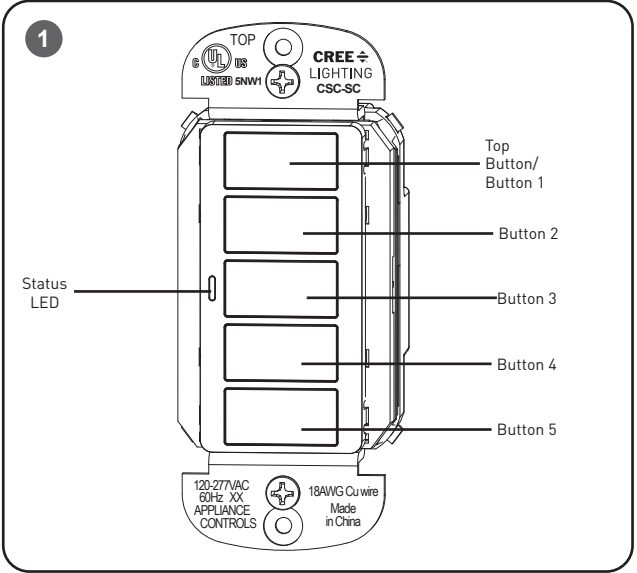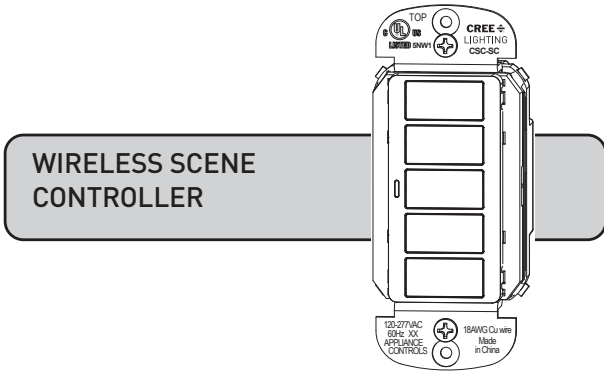## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Before installing Wireless Scene Controller turn off the power at the circuit breaker.
   Couper l'alimentation avant l'installation
2. These Wireless Scene Controller must be installed in accordance with the national and local building codes and electrical wiring codes including wiring methods and wiring connections. If you are not familiar with these codes and requirements, consult a qualified electrician.
   Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.
3. Indoor use only and suitable for damp locations.
   Pour usage interieur seulement et convient aux emplacements humides.
4. Any changes or modifications to these devices not explicitly approved by manufacturer could void your authority to operate this equipment.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

- Voltage: 120-277V, 60Hz
- Depth in Wall: 1.5"
- For ease of installation, Cree recommends the use of a deep wall box.
- **NOT FOR USE WITH METALLIC FACEPLATES.**

- Type 1 enclosure & IP20 Indoor use
- Operating Temperature limit of the control: 0 to 35C
- Software Class A Lighting Controls
- Pollution degree 2 Suitable for normal household air circulation
- Rated impulse voltage: 4000 V
- Operating Control, Electronic Dimming Switch;

INSTALLATION INSTRUCTIONS
INSTRUCTIONS D'INSTALLATION

WIRELESS SCENE CONTROLLER

UNIT DESCRIPTION

The Cree Wireless Scene Controller is used with other SmartCast® Technology enabled devices to provide wireless preset/scene control of SmartCast-enabled LED luminaires. The Cree Wireless Scene Controller provides default and customizable scene controls for up to 14 control zones.

LOAD TYPES

Cree Wireless Scene Controller support Cree SmartCast® Technology enabled devices only.

Top Button/Button 1
Button 2
Button 3
Button 4
Button 5
Status LED

NEUT
GND
LINE
LED
SUPPLY LEADS

LINE
GND
LINE IN
LINE TO LOAD
SUPPLY LEADS

WIRELESS SCENE CONTROLLER FEATURES

- The Cree Scene Controller supports on, off, and dimming controls. See **Figure 1.**
- The Cree Wireless Scene Controller supports on, off, and dimming, and color controls. See **Figure 1.**
- The Cree Wireless Scene Controller provides preset scene control from a single-gang push-button wallstation.
- Scenes may be assigned to each of the 5 buttons. See **Figure 1.**
- Preset scenes may assign light levels, color temperatures (CCT), or both.

INSTALLATION

NOTE: For ease of installation, Cree recommends using a deep wall box.

STEP 1:
Disconnect power to circuit by turning circuit breaker OFF before installation.

STEP 2:
If necessary remove existing wall plate and switch.

STEP 3:
Strip existing wires ½". If two wires will be connected to the same terminal on the Cree device, both wires must be the same gauge (12AWG or 14AWG).

STEP 4:
Wire the LINE (black), NEUTRAL (white), and GND (green or bare) supply wires to the corresponding pigtail leads on the Cree device, as shown in **Figure 2.**
For Scene controllers with no neutral wire. Wire the LINE IN (black) to supply wires, LINE OUT to the switched power, and GND (green or bare) supply wires to the corresponding pigtails on the Cree device, as shown in **Figure 3.**

NOTE: If replacing an existing wall switch, the Wireless Scene Controller shall be wired as instructed; however, the switched power to the load must also be tied directly to the AC supply leads.

STEP 5:
Attach the wall plate (reference the wall plate instruction sheet).

STEP 6:
Switch the circuit breaker ON.

STEP 7:
Press and release any button. The blue LED should blink twice and then go off. If the blue LED does not respond with the two-blink sequence, please follow the RESET instructions to return the Wireless Scene Controller to factory defaults.

Wall Control Troubleshooting	
Issue	**Resolution**
Wireless Scene Controller LED does not blink in a 2-blink sequence prior to OneButton™ Setup	Check wiring (LINE/NEUT/GND required)
	Check connected load for wireless dimmers without neutral. Minimum load must be wired to dimmer (minimum load indicated on spec sheet).
	Reset Device and verify 2-blink sequence for the LED
Wireless Scene Controller will not join a network	Check wiring (NEUT required) NOTE: LED may illuminate if NEUT not connected
	Check connected load for wireless dimmers without neutral. Minimum load must be wired to dimmer (minimum load indicated on spec sheet).
	Reset Device and verify 2-blink sequence for the LED
Replaced existing Wireless Scene Controller and fixtures will not turn on	Check Wiring (each fixture shall be wired with constant HOT)
Wireless Scene Controller will not control fixtures	Check group assignments with Configuration Tool

RESET WIRELESS SCENE CONTROLLER

STEP 1:
Press and hold the TOP button on the Wireless Scene Controller for 30s until the LED flashes fast.

STEP 2:
Briefly release the TOP button for less than 1 second (Fast flashing continues).

STEP 3:
Press/HOLD the TOP button for 1 second until flashing stops.
The LED will then return to the two blink sequence (discovery mode).

CLEANING

Clean using a cloth dampened only with water and a little mild detergent. Use of solvents or hydrocarbon-based cleaners may cause permanent damage.

FCC NOTICE

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the device is operated in a commercial environment. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this device in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

In addition, this device complies with ICES-003 of the Industry Canada (IC) Regulations.

INDUSTRY CANADA 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. In addition, this device complies with ICES-003 of the Industry Canada (IC) Regulations.

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.

This equipment complies with FCC & IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

CREE ⇕ LIGHTING

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