Installation Instructions for Field Installing the Sure-Lites Two Circuit (2C) Exit Sign Conversion Kit

⚠ WARNING

Risk of Fire/Electric Shock

If not qualified, consult an electrician.

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Risk of Electric Shock

Disconnect power at fuse or circuit breaker before installing or servicing.

Important Safeguards

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED INCLUDING THE FOLLOWING.

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS
2. Do not use outdoors.
3. Do not use in hazardous locations, or near gas or electric heaters.
4. Do not let power supply cords touch hot surfaces.
5. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or in eyes, flush acid with fresh water and contact a physician immediately.
6. Do not use this equipment for other than the intended use.
7. Installation is to be performed only by qualified personnel.
8. Install in accordance with National Electric Code and local regulatory agency requirements.
9. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
10. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
11. SAVE THESE INSTRUCTIONS

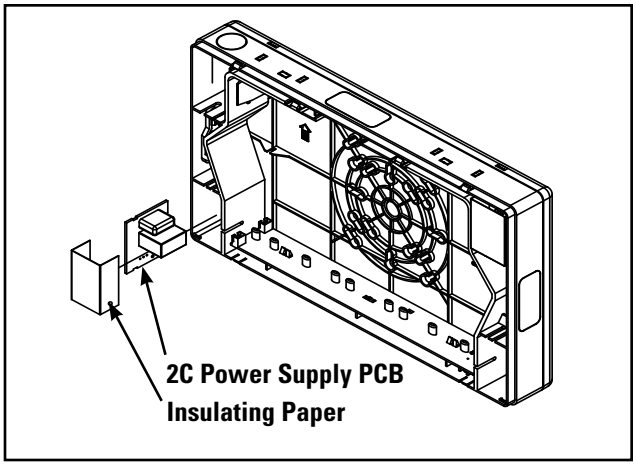
Contents Of This Kit

2nd Circuit Power Supply Printed Circuit Board (PCB)
Insulating Paper-LPX (1 pc.)
Insulating Paper-CX (1 pc.)
Insulating Paper-SLX (1 pc.)
Double Sided Tape (2 pcs.)

INSTALLATION - LPX

1. De-energize the circuit at the junction box (J-box) where the emergency light is to be installed.
2. Open the fixture by placing a flat head screwdriver in the slots at the top or bottom of the fixture and releasing the snaps.
3. Slide the 2C circuit board in the pocket provided in the fixture frame (See Figure 1).
4. Rout the wires through the opening, and plug the 2C connector to its corresponding location on the main LED PCB (see Schematic).
5. Place the insulating paper over the PCB in the pocket.
6. Connect the incoming wires from the auxiliary source to the 2C PCBs power supply wires using the wire nuts provided. Connect the white wire to neutral. If using 120V, connect the black wire to the hot lead. If using 277V, connect the orange wire to the hot lead. Cap the unused lead (see schematic).
7. Replace the Exit face.
8. Energize the primary power supply. The sign should light.
9. De-energize the primary power supply. Energize the auxiliary power supply. The sign should light.

Figure 1 - LPX Assembly



COOPER Lighting Solutions

INSTALLATION -CX

1. De-energize both power circuits at the junction box (J-box) where the exit sign is to be installed.
2. Open the fixture by placing a flat head screwdriver in the slots located at the bottom of the fixture and twisting.
3. Slide the 2C circuit board in the pocket provided in the fixture frame (See Figure 2).
4. Rout the wires through the opening, and plug the 2C connector to its corresponding location on the main LED PCB (see Schematic).
5. Place the insulating paper over the PCB in the pocket.
6. Connect the incoming wires from the auxiliary source to the 2C PCBs power supply wires using the wire nuts provided. Connect the white wire to neutral. If using 120V, connect the black wire to the hot lead. If using 277V, connect the orange wire to the hot lead. Cap the unused lead (see schematic).
7. Replace the Exit face.
8. Energize the primary power supply. The sign should light.
9. De-energize the primary power supply. Energize the auxiliary power supply. The sign should light.

INSTALLATION -SLX

1. De-energize both power circuits at the junction box (J-box) where the exit sign is to be installed.
2. Open the fixture by removing the screw from the bottom of the fixture. Pull the V-shaped power tray down by placing a flat head screw driver in the slots at the top left and top right, and pulling down. Remove the power tray from the fixture.
3. Apply the double sided tape provided to the back of the PCB, and wrap the insulating paper around the PCB (See Figure 3).
4. Use the double sided tape provided to secure the insulating paper to the power tray (See Figure 3).
5. Rout the wires around the sides, and plug the 2C connector to its corresponding location on the main LED PCB (see Schematic).
6. Connect the incoming wires from the auxiliary source to the 2C PCBs power supply wires using the wire nuts provided. Connect the white wire to neutral. If using 120V, connect the black wire to the hot lead. If using 277V, connect the orange wire to the hot lead. Cap the unused lead (see schematic).
7. Slide the power tray back into place.
8. Replace the Exit face.
9. Energize the primary power supply. The sign should light.
10. De-energize the primary power supply. Energize the auxiliary power supply. The sign should light.

Figure 2 - CX Assembly

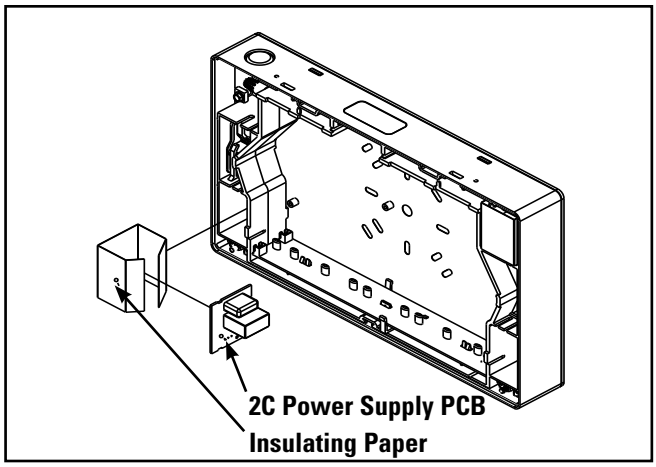
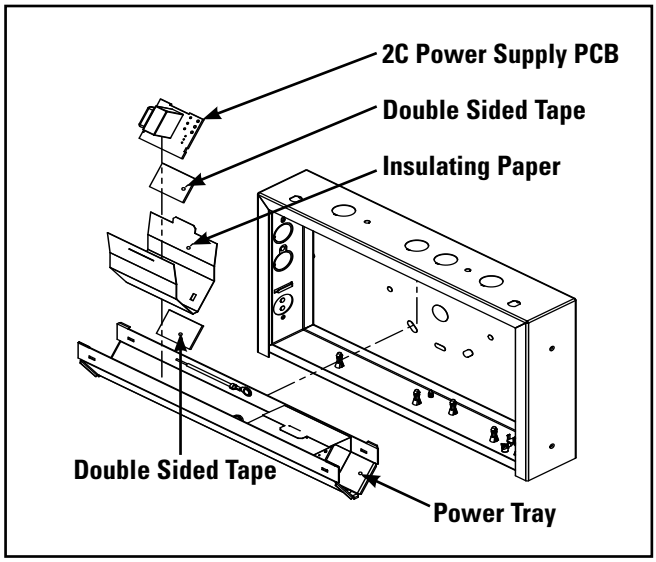


Figure 3 - SLX Assembly



MAINTENANCE

None required. However, we recommend that the equipment be tested regularly in accordance with local codes.

NOTE: Servicing of any parts should be performed by qualified personnel. Only use replacement parts supplied by Cooper Lighting Solutions.

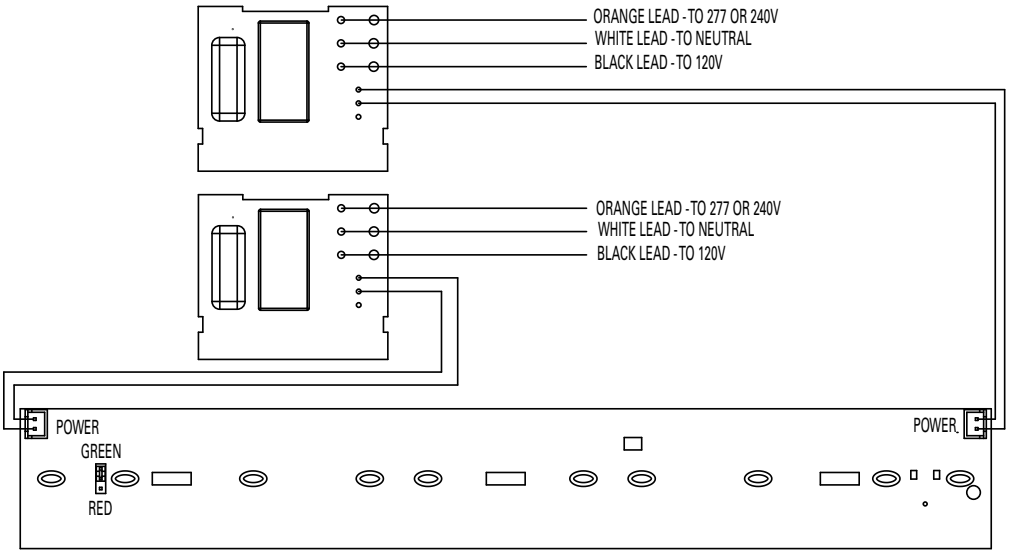
CAUTION: This equipment is furnished with a sophisticated low voltage battery dropout circuit to protect the battery from over discharge after its useful output has been used. Allow 24 hours recharge time after installation or power failure for 90 minute testing. If connected to 240VAC supply, allow 48 hours recharge time.

TROUBLE SHOOTING GUIDE

If LED display does not illuminate, check the following:

1. Check AC supply – verify that unit has 24 hour AC supply.
2. Unit is shorted.
3. following the above trouble shooting hints does not solve your problem, contact your local Cooper Lighting Solutions representative for assistance.

SCHEMATIC



Warranties and Limitation of Liability

Please refer to **www.cooperlighting.com** for our terms and conditions.

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