Installation Instructions for the Sure-Lites UX6 AC only Exit Sign.

⚠ **WARNING**

Risk of Fire/Electric Shock
If not qualified, consult an electrician.

⚠ **WARNING**

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 near gas or electric heaters.

3. Do not use this equipment for other than the intended use.

4. Installation is to be performed only by qualified personnel.

5. Install in accordance with National Electric Code and local regulatory agency requirements.

6. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

7. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

8. SAVE THESE INSTRUCTIONS

WALL MOUNT INSTALLATION – NON HAZARDOUS LOCATIONS

1. Extend unswitched 24 hour AC supply of rated voltage to junction box or conduit (provided by others). Leave at least 18 inches of slack. Circuit should not be energized at this time.

2. Remove the weather shield by removing the 4 screws in the corners (See Figure 1). Due to the airtight nature of the fixture, the weather shield may be held on by a slight vacuum. If this occurs, carefully pry the corners of the shield with a flat head screwdriver.

3. Remove the stencil face by prying the snap fits on the side up, by placing a flat head screw driver in the slots and lifting (See Figure 1).

4. If the fixture will be mounted on a junction box, knock out the appropriate mounting pattern and wire pass hole to match junction box. Apply the full foam gasket the back of the fixture before mounting. Only remove the gasket holes needed for installation.

5. If the fixture will be conduit mounted, knock out the appropriate conduit knock out. Connect conduit using a ½" liquid tight fitting. Knock out the two round knock outs at the far left and right of the backplate, and apply foam gasket to the back of the fixture. Use these holes to attach the UX to the wall. Only remove the gasket holes needed for installation.

NOTE: When mounting the UX, it is necessary to consider the weight of the fixture, about 7 pounds. A suitable anchor is recommended, or mounting directly to a stud, for the unit itself, or for the junction box the fixture is mounted to.

NOTE: The foam gasket is suitable for smooth surfaces, but for rough surface mounting, silicone caulk should be used to prevent water from entering the fixture.

6. After the backplate and frame are secured to the wall, the stencil can be hung for "hands free" wiring using the Sure-Lites EZ Hang system (See Figure 2).

7. Connect power supply and ground in accordance with local codes. Wire connections as follows: 277VAC line to Orange lead or 120V line to Black lead; Neutral to white lead. Ground to Green Screw; Cap unused line lead (see Schematic). Connections must be in the enclosure rated area of the frame (See Figure 3) or junction box, not in the sign face. Make sure wires are routed so they do not create shadows on the face of the exit.

8. Determine which color sign face is needed. If red is needed, proceed to step 11.

9. If green is the desired color, remove the red lens from the stencil by removing the white vinyl caps holding the lens in place and replace it with the green lens provided. Replace the white vinyl caps.

10. On the LED circuit board, locate the red/green jumper (See Schematic). The jumper should be in the red position per the silk screen printing on the board. Pull gently upward on the jumper, then shift it one pin over to activate the green LEDS.

11. Replace the stencil cover assembly, and weather shield. To insure a water tight fit, make sure the gasket and weather shield edge are clean and free of debris.

12. Energize AC supply, LED display will come on.

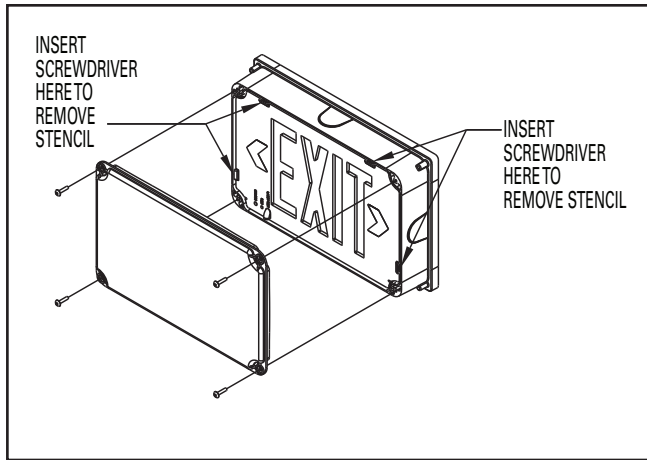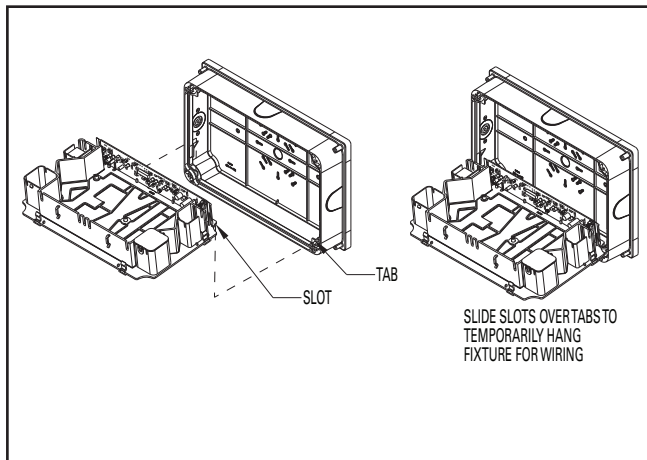**⊘ COOPER**
Lighting Solutions

Figure 1

INSERT
SCREWDRIVER
HERE TO
REMOVE
STENCIL

INSERT
SCREWDRIVER
HERE TO
REMOVE STENCIL

Figure 2

TAB

SLOT

SLIDE SLOTS OVER TABS TO
TEMPORARILY HANG
FIXTURE FOR WIRING

Figure 3

WIRE
CONNECTIONS
ALLOWED IN
ENCLOSURE
AREAS

WIRE
CONNECTIONS
ALLOWED IN
ENCLOSURE
AREAS

NO WIRE CONNECTIONS
ALLOWED IN SIGN FACE

Figure 4

SQUARE GASKET

BRACKET

CANOPY

O-RINGS

8-32
SCREWS

RECTANGULAR
GASKETS

DRILL
1/4"
HOLE

KNOCK OUT

¼-20
SCREWS

FRAME

Figure 5

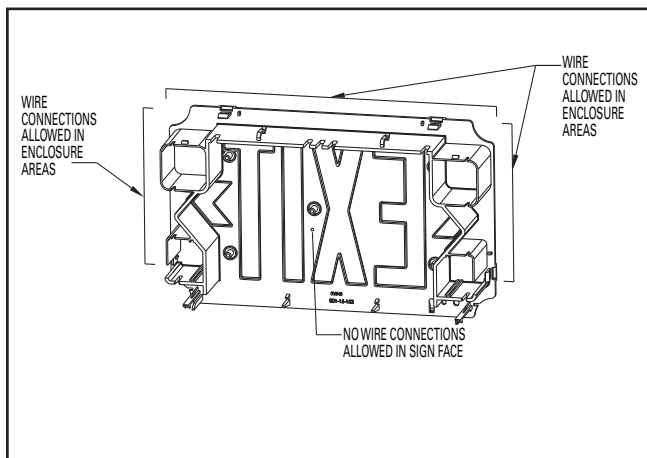WATER TIGHT
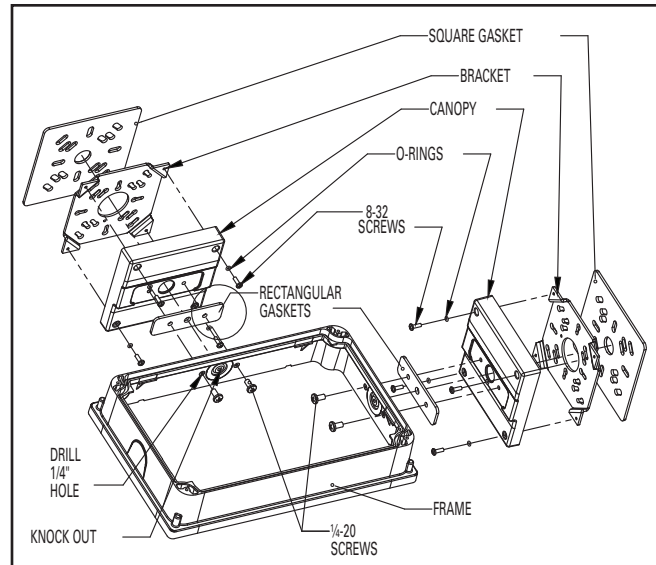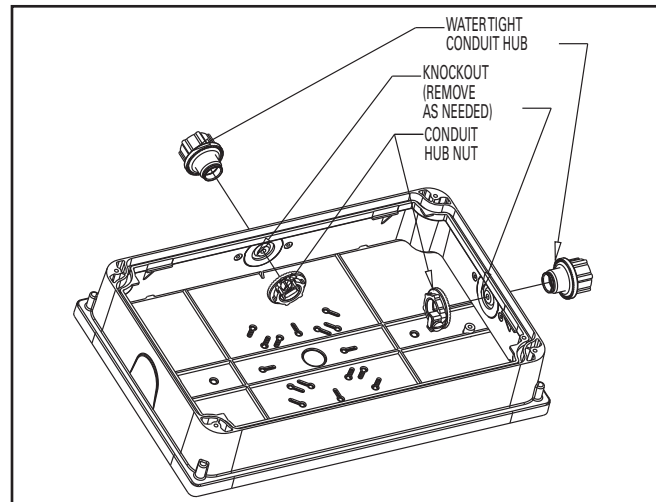CONDUIT HUB

KNOCKOUT
(REMOVE
AS NEEDED)

CONDUIT
HUB NUT

CEILING OR END MOUNT INSTALLATION – NON HAZARDOUS LOCATIONS

NOTE: Wall or ceiling mounting using the canopy kit is not approved for hazardous locations. The canopy kit is not suitable for these environments.

1. Extend unswitched 24 hour AC supply of rated voltage to junction box (provided by others). Leave at least 18 inches of slack. Circuit should not be energized at this time.

2. Remove the weather shield by removing the 4 screws in the corners (See Figure 1). Due to the airtight nature of the fixture, the weather shield may be held on by a slight vacuum. If this occurs, carefully pry the corners of the shield with a flat head screwdriver.

3. Remove the stencil face by prying the snap fits on the side up, by placing a flat head screw driver in the slots and lifting (See Figure 1).

4. Choose the appropriate knock out for the mounting (left side, right side, or top), and knock it out using a hammer and flat blade screwdriver.

5. Drill out the two screw holes on either side of the knock out, using a ¼" drill bit.

6. Apply the small rectangular foam gasket to the canopy (see figure 3). Only remove the gasket holes needed for installation.

7. Feed the ¼-20 screws through the drilled holes. Screw the ¼-20 screws to the canopy (See Figure 4).

8. Apply the larger square foam gasket to the steel bracket, and secure it to the junction box (See Figure 4). Only remove the gasket holes needed for installation.

9. Place the black o-rings on the smaller 8-32 screws in the parts bag (See Figure 4).

10. Feed the 24 hour AC power wires through the bracket and canopy, and into the exit sign (See Figure 4).

11. Connect the canopy to the bracket using the small screws with o-rings. (See Figure 4).

NOTE: When mounting the UX, it is necessary to consider the weight of the fixture, about 7 pounds. A suitable anchor is recommended, or mounting directly to a stud for the junction box the fixture is mounted to.

NOTE: The foam gasket is suitable for smooth surfaces, but for rough surface mounting, silicone caulk should be used to prevent water from entering the fixture.

12. After the frame is securely mounted, the stencil can be hung for "hands free" wiring using the Sure-Lites EZ Hang system. (See figure 2).

13. Connect power supply and ground in accordance with local codes. Wire connections as follows: 277VAC line to Orange lead or 120V line to Black lead; Neutral to white lead. Ground to Green Screw; Cap unused line lead (see Schematic). Connections must be in the enclosure rated area of the frame (See Figure 3) or junction box, not in the sign face. Make sure wires are routed so they do not create shadows on the face of the exit.

14. Determine which color sign face is needed. If red is needed, proceed to step 17.

15. If green is the desired color, remove the red lens from the stencil by removing the white vinyl caps holding the lens in place and replace it with the green lens provided. Replace the white vinyl caps.

16. On the LED circuit board, locate the red/green jumper (See Schematic).The jumper should be in the red position per the silk screen printing on the board. Pull gently upward on the jumper, then shift it one pin over to activate the green LEDS.

17. Replace the stencil cover assembly, and weather shield. To insure a water tight fit, make sure the gasket and weather shield edge are clean and free of debris.

18. Energize AC supply, LED display will come on.
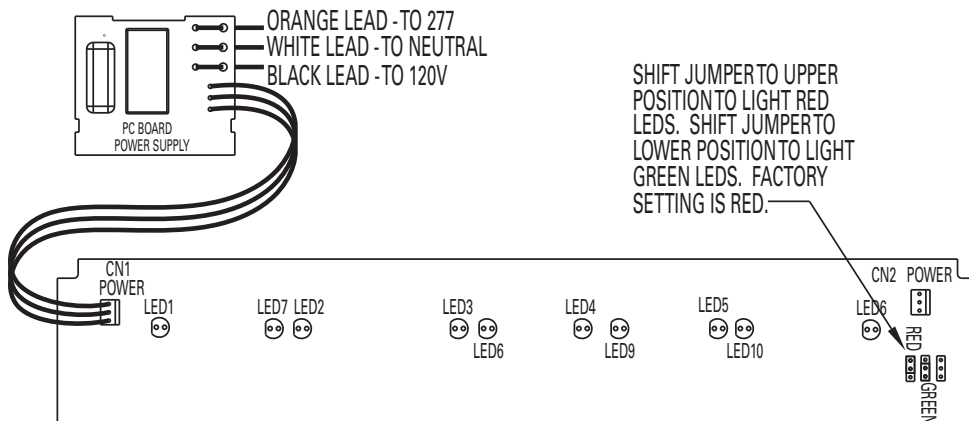
MAINTENANCE

NOTE: None required

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

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. If following the above trouble shooting hints does not solve your problem, contact your local Cooper Lighting Solutions representative for assistance

SCHEMATICS

ORANGE LEAD - TO 277
WHITE LEAD - TO NEUTRAL
BLACK LEAD - TO 120V

PC BOARD
POWER SUPPLY

SHIFT JUMPER TO UPPER POSITION TO LIGHT RED LEDS. SHIFT JUMPER TO LOWER POSITION TO LIGHT GREEN LEDS. FACTORY SETTING IS RED.

CN1 POWER

LED1   LED7 LED2   LED3   LED4   LED5   LED6   CN2 POWER

LED6   LED9   LED10

RED
GREEN

WARRANTIES AND LIMITATION OF LIABILITY

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

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