

COOPER LIGHTING

Installation Instructions for the All Pro APX Exits

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**

! WARNING

Risk of Fire/Electric Shock

If not qualified, consult an electrician.

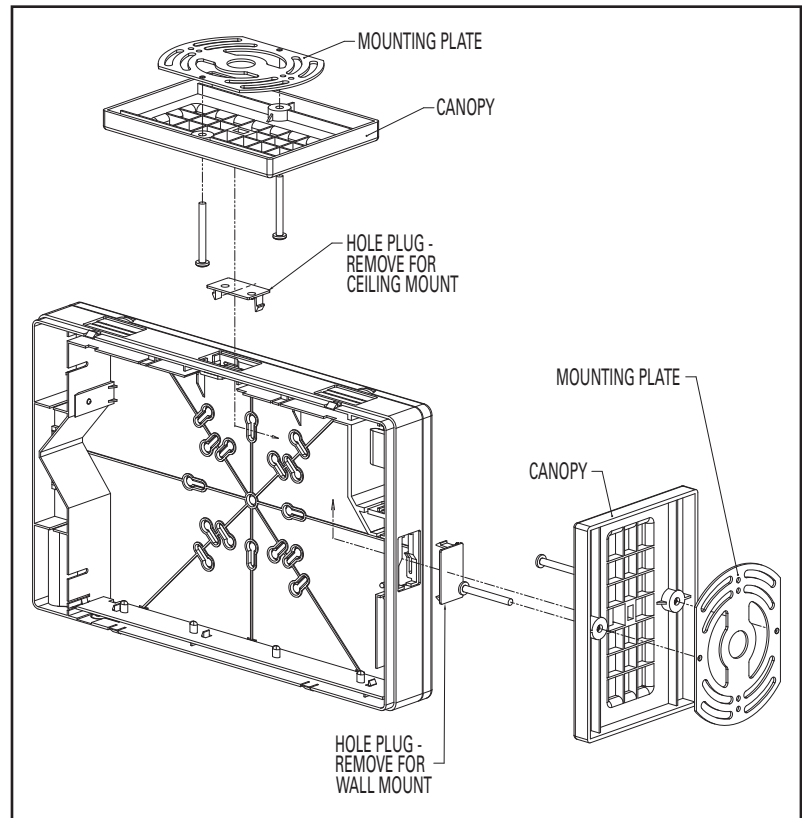
! WARNING

Risk of Electric Shock

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

WALL MOUNT INSTALLATION

- Step 1.** De-energize the circuit at the junction box (J-box) where the exit sign is to be installed.
- Step 2.** Remove the exit sign stencil from the EXIT frame. Remove and discard the plastic canopy from inside the EXIT.
- Step 3.** Knock out the appropriate mounting pattern and the wire pass hole in the EXIT backplate to fit the J-box being used.
- Step 4.** Feed the orange, black, and white wires through the center hole.
- Step 5.** Connect the J-box wires to the EXIT 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. Press the wires into the J-box.
- Step 6.** Secure the EXIT to the backplate using installer supplied hardware.
- Step 7.** For self powered units, attach battery leads to PCB.
- Step 8.** Snap the EXIT stencil onto the frame.
- Step 9.** Energize AC supply, LED display will come on.



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CEILING OR END MOUNT INSTALLATION

- Step 1.** De-energize the circuit at the junction box (J-box) where the exit sign is to be installed.
- Step 2.** Remove the exit sign stencil from the EXIT frame.
- Step 3.** Remove the canopy kit from inside the EXIT.
- Step 4.** Place the provided screws in the canopy screw holes. Tabs inside the holes will prevent the screws from falling out during installation.
- Step 5.** Remove the appropriate mounting hole plug on the top (ceiling mount) or side (end mount) of the frame.
- Step 6.** Place the canopy nose through the mounting hole until the side of the frame touches the canopy. Lock the frame onto the canopy by sliding the frame in a direction parallel to the canopy length toward the narrow end of the mounting hole. Slide the frame until both snaps engage the canopy nose preventing any motion back out of the hole.
- Step 7.** Feed the orange, black, and white wires through the canopy nose.
- Step 8.** Feed the wires from the J-box through the steel mounting plate, then attach the mounting plate to the J-box with installer provided hardware.
- Step 9.** Connect the J-box wires to the EXIT 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. Press the wires into the J-box.
- Step 10.** Secure the EXIT canopy to the steel mounting plate using the screws placed in the canopy in step 4.
- Step 11.** For self powered units, attach battery leads to PCB.
- Step 12.** Snap the EXIT stencil onto the frame.
- Step 13.** Energize AC supply, LED display will come on.

SELF POWERED OPERATION: Depress the test switch. The LED display will remain lit and the charge LED will extinguish when the switched to battery power. Release the test switch. The charge LED will illuminate and the LED display will operate from the AC supply.

MAINTENANCE: None required. For self powered units, replace the batteries as needed according to ambient conditions. However, we recommend that the equipment be tested regularly in accordance with local codes.

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

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.

TROUBLE SHOOTING GUIDE: If LED display or charge indicator LED does not illuminate, check the following:

1. Check AC supply – verify that unit has 24 hour AC supply.
2. Unit is shorted or battery is not connected.
3. Battery discharged. Permit unit to charge for 24 hours and then re-test.
4. If following the above trouble shooting hints does not solve your problem, contact your local Cooper Lighting representative for assistance.

SCHEMATIC

