

EXPK Self-Powered, AC & AC/DC Exit Sign Installation Instructions

IMPORTANT SAFEGUARDS

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

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. Do not use outdoors.
3. Do not let power cords touch hot surfaces.
4. Do not mount near gas or electric heaters.
5. Use caution when handling batteries. Avoid possible shorting.
6. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
8. Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS

INSTALLATION:

1. Turn OFF AC Power.

SELF-POWERED UNIT:

2. **For Single Face Units:** Remove front cover by removing the four(4) screws in each corner. Remove the electronics chassis from enclosure. Use supplied stickers (peel back white paper), place onto panel for chevron direction.
3. **For Back Mounting:** Determine where conduit entry is to be made. Make certain that it will be behind the chassis plate and will not interfere with the battery. Drill the conduit entry hole to suit the conduit fitting. Ensure a waterproof fitting is used. Utilize the mounting feet for securing the unit to the wall, per Diagram B.
4. **For End or Ceiling Mounting:** Utilize the mounting holes in the canopy. See Diagram C.
5. Route 24 hour AC unswitched circuit into unit and connect per Diagram A.
6. Connect the battery plug to the circuit board. Connect test switch and pilot lamp plugs.
7. Mate AC connector from chassis to the wired AC unswitched connector.
8. Slide chassis assembly into unit. If the unit is Incandescent or Fluorescent, install lamps. If the unit is LED, the panel should be already within the chassis.
9. Re-install front cover.
10. Energize AC. Legend and AC pilot indicator will illuminate. Automatic charger will charge and maintain the battery in the standby mode.

DIAGRAM A

120VAC Operation:

120VAC ← → Black
Neutral ← → White
Not Used ← → Orange

277VAC Operation:

Not Used ← → Black
Neutral ← → White
277VAC ← → Orange

DIAGRAM B

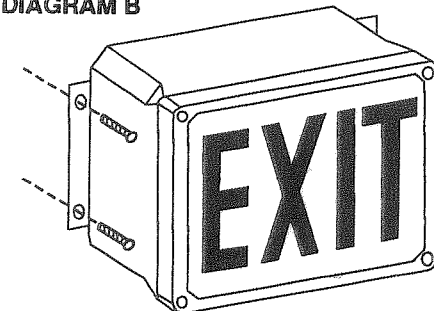


DIAGRAM C

Double Face/
End Mount

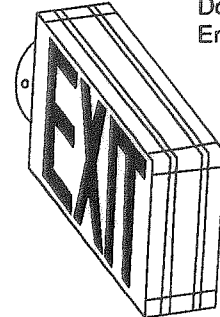
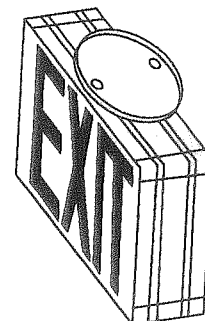


DIAGRAM D

Double Face/
Ceiling Mount



ALL SERVICING SHOULD BE PERFORMED BY QUALIFIED SERVICE PERSONNEL

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11. *For Double Face Units (Available ONLY as AC & AC/DC):* Remove two (2) screws from one of the unit faces and hinge open.
12. *For Incandescent and Fluorescent Units:* Install lamps provided.
For LED Units: The panel is already installed.
13. Route 24 hour AC unswitched circuit into unit and connect per Diagram A.
14. Close face and re-install the two(2) screws.

AC and AC/DC UNITS:

15. Refer to Diagram A for the AC wiring.
For the DC Portion: Wire the Red Lead (+) to the positive DC input voltage and the Blue Lead (-) to the negative DC input voltage.

NOTE: DC input voltages vary according to requirements - refer to labelling on the leads before connecting DC supply.

TESTING (Self-Powered)

Operate Test Switch. The DC lamps will illuminate. AC lamps will not go out. The legend will get brighter during test. Release Test Switch, DC lamps will go out and pilot light will be illuminated. Prior to initial full load testing, allow unit to charge for 24 hours.

MAINTENANCE

None required. However, unit should be tested monthly in accordance with the requirements of NFPA 101, Life Safety Code or local codes.

If the AC supply to the unit is to be disconnected for 2 months or more, the battery must be disconnected.

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