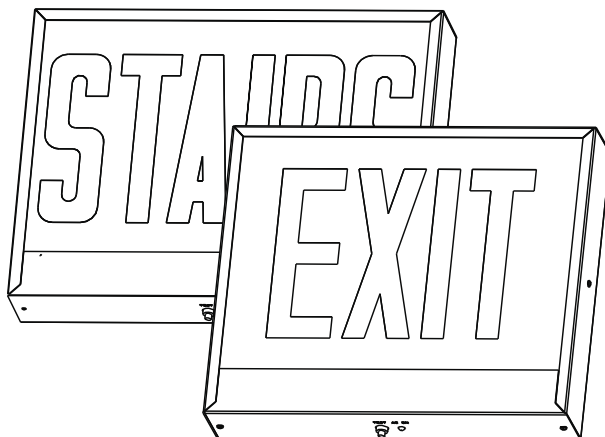


**CLS**

**Chicago Approved Battery Backup and LED Exit
No Panel Version**



IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

Warning: FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE - For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations

Warning: RISK OF ELECTRIC SHOCK. NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED.

Warning: RISK OF FIRE - Lamps are hot. Keep combustible material away from hot parts. Observe lamp manufacturer's warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.

Warning: DO NOT USE ABRASIVE MATERIALS OR OTHER SOLVENTS. USE OF THESE SUBSTANCES MAY DAMAGE FIXTURE, WHICH MAY RESULT IN PERSONAL INJURY.

Warning: RISK OF PERSONAL INJURY. This product may have sharp edges. Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing and maintaining this product.

- Before wiring to power supply, turn off electricity at fuse or circuit breaker.
- Disconnect A.C. power and unplug battery before servicing.
- Consult your local building codes for approved wiring and installation.
- May be used outdoors under cover (0°C - 50°C; 32°F - 122°F).
- Do not let power supply cord touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not install a damaged fixture.
- This product must be installed in accordance with the applicable installation codes and ordinances.
- All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction operation of the product and the hazards involved.
- Equipment should be mounted in locations and at heights where it will not be subject to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
- Do not use this equipment for anything other than its intended use.
- The AC voltage rating of this equipment is specified on the product label. Do not connect equipment to any other voltage.

WARNING – This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. Thoroughly wash hands after installing, handling, cleaning, or otherwise touching this product.

INSTALLATION

Note: This EXIT fixture may be shipped with an extra FACE PANEL to make the sign double face. Replace the BACKPLATE with the extra FACE PANEL at the start of the installation process if the application calls for a double face sign.

BACK MOUNT INSTALLATION (Fig 1.)

1. Extend unswitched 24 hour AC supply of rated voltage to junction box (not included). Leave at least 18 inches of slack.
2. Remove retainer screw from side of sign. Remove side panel and set aside.
3. Remove 7/8" diameter KNOCK OUT and required mounting pattern from back plate. Use bushing provided to protect wires from metal edge. Install mounting pan and cable tie to back plate. Secure wires using cable tie. Feed wires through 7/8" diameter KNOCK OUT bushing.
4. Connect ground in accordance with local codes. Connect wires per schematic and color code as follows: Line 100-300V - ORANGE; NEUTRAL - WHITE. Cap unused line lead.
5. Mount sign securely to junction box using mounting plate and screws provided.
6. For battery backup models, connect battery leads. Turn on AC supply and operate test switch. LED lamps will stay on in AC mode and remain on in Emergency mode. For AC only models, turn on AC supply.
7. Replace end panel and retainer screw.

CEILING or END MOUNT INSTALLATION (Fig. 2)

1. Follow steps 1 to 2 of BACK MOUNTING instructions.
2. Knock out appropriate mounting pattern on top or side of unit to accommodate canopy. Use plastic bushings provided to protect wires from metal edge.
3. Fasten canopy to sign by means of two (2) screws, star washers and nuts.
4. Secure mounting strap to junction box by choosing proper slots and using screws supplied with junction box.
5. Feed wires through canopy and connect to supply following step 4 of wall mounting instructions.
6. Mount sign with canopy to Junction box strap on Junction box.
7. Follow steps 6 to 7 of back mounting instructions.

FIG. 1

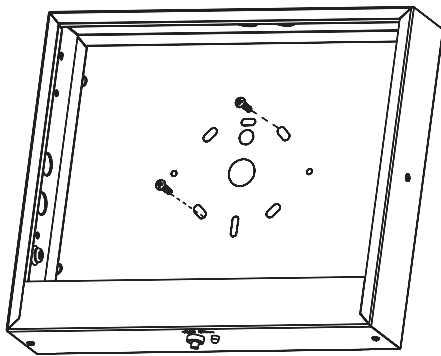
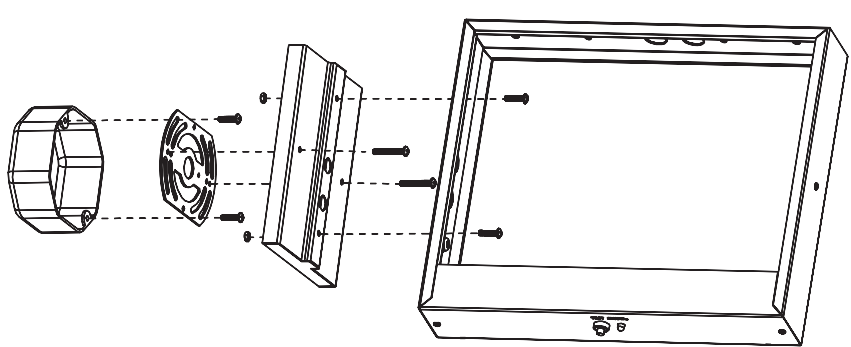


FIG. 2



OPERATION

OPERATION:

1. To test the equipment, depress the TEST switch. The CHARGE indicator will go out and the EXIT section will remain illuminated.
2. Release the TEST switch. The EXIT section switches to AC mode and the CHARGE indicator will illuminate. The automatic charger will return and maintain the battery in a fully charged state.

NOTE: Allow the battery to charge for a minimum of 24 hours after installation or after a power failure before conducting a 90 minute test. (see TESTING section).

MAINTENANCE:

Caution: Always turn OFF AC power to the equipment before servicing. Servicing should be performed only by a qualified service technician. Only manufacturer SUPPLIED or APPROVED replacement parts must be used.

BATTERY: The battery supplied in this equipment requires no maintenance. However, it should be tested periodically (see TESTING section) and replaced when it no longer operates the connected fixtures for the duration of a 30-second or 90-minute test. The battery supplied in this equipment has a life expectancy of 5-7 years when used in a normal ambient temperature of 72°F.

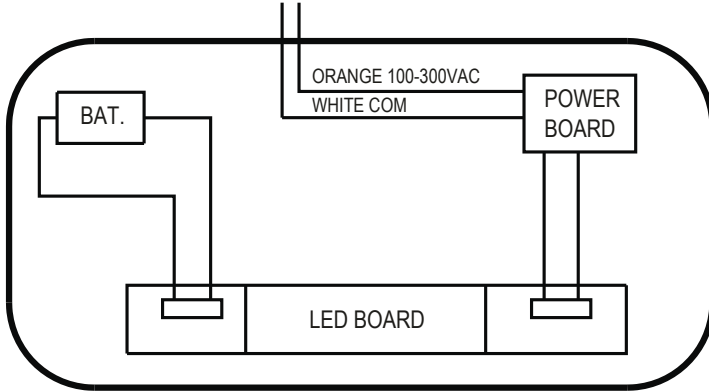
TESTING:

NFPA 101, Life Safety Code requires that all emergency lighting equipment be tested every 30 days for a minimum of 30 seconds and tested yearly for a full 90-minute duration. Written records of testing are to be kept for examination by the authority having jurisdiction.

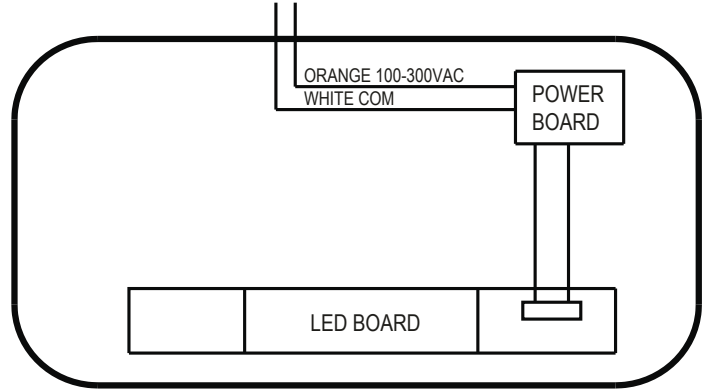
IMPORTANT: When relamping, only use LED light sources specified in the sign. Using other LED light sources may result in transformer damage or unsafe conditions. For battery backup models, battery in the unit may not be fully charged. After electricity is connected to unit, let the battery charge up for at least 24 hours. The normal operation of the unit should take effect.

WIRING DIAGRAM

BATTERY BACKUP



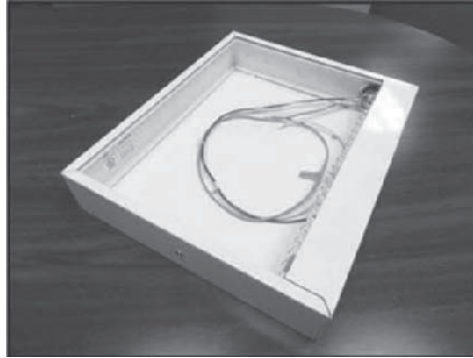
AC ONLY



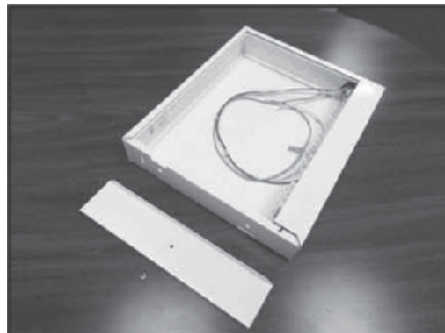
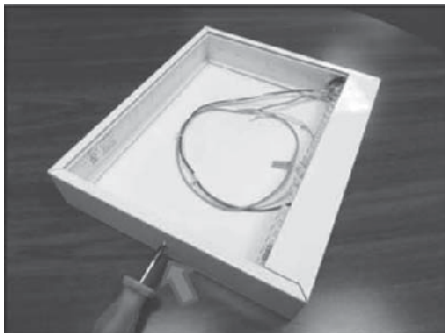
NOTE: Properly insulate the unused lead with a wire nut or other approved means.

ASSEMBLY INSTRUCTIONS TO ADD FACE PANEL(S) TO INSTALLED HOUSING

STEP 1: Ensure the appropriate panel is available to be attached to the already installed housing. Please note two (2) panels would be needed for a double-face sign.



STEP 2: Separate the panel cover from the housing by removing the screw and set them both aside. For a double-face sign, slide the backplate out through the channel.



STEP 3: Slide the panel(s) through the channel. Replace the panel cover using the screw (previously removed in STEP 2). Panel assembly process should now be complete.



CLS Compatability Chart

FIXTURE/HOUSING PART#	COMPATIBLE PANEL (S) PART #	PANEL LETTERS
CLSS-NPE	CP3-ENA	EXIT
CLSS-NPE	CP2-SNA	STAIRS
CLSBS-NPE	CP3-ENA	EXIT
CLSSB-NPE	CP2-SNA	STAIRS
CLSSE-NPE	CP3-ENA	EXIT
CLSSE-NPE	CP2-SNA	STAIRS
CLSSEB-NPE	CP3-ENA	EXIT
CLSSEB-NPE	CP2-SNA	STAIRS



RECYCLING INFORMATION

All steel, aluminum and thermoplastic parts are recyclable.
All cartons contain recycled materials.
Please recycle responsibly.

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