INSTALLATION INSTRUCTIONS FOR

LED EDGE-LIT EXIT SIGN

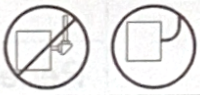
IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Review the diagrams thoroughly before beginning.
2. All electrical connections must be in accordance with local codes, ordinances, and the National Electric code.
3. Disconnect power at fuse or circuit breaker before installing or servicing.
4. Do not use outdoors.
5. Do not mount in hazardous locations, or near gas or electric heaters.
6. Do not let power cords touch hot surface.
7. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
8. The use of accessory equipment not recommend by the manufacturer may cause an unsafe condition.
9. Do not use this equipment for other than intended use.
10. All servicing should be performed by a qualified personnel only.
11. Allow battery to charge for 24 hours before first use.

SAVE THESE INSTRUCTIONS

Use Flexible Conduit Only



WIRING DIAGRAM

AC Wiring

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.

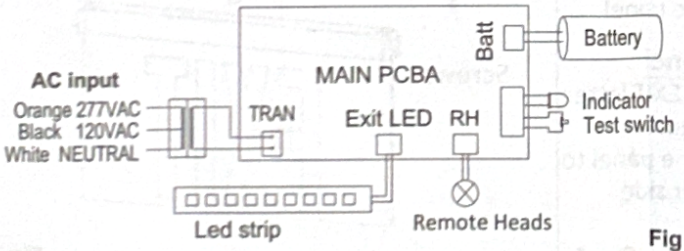
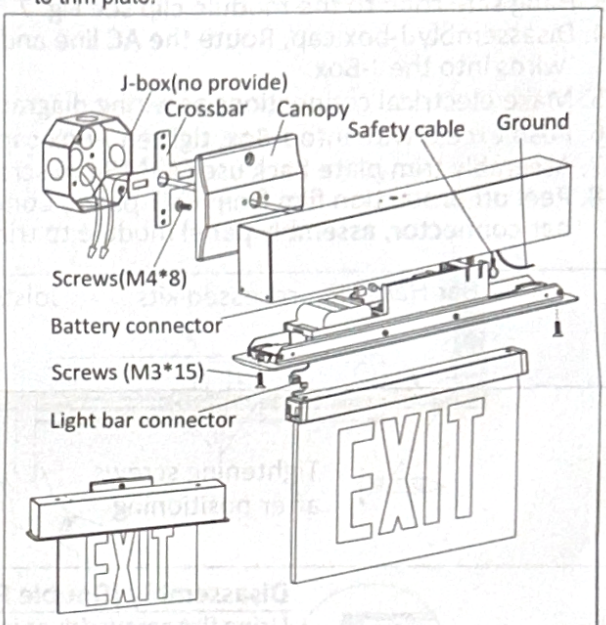


Fig 1

SURFACE CEILING & WALL MOUNT

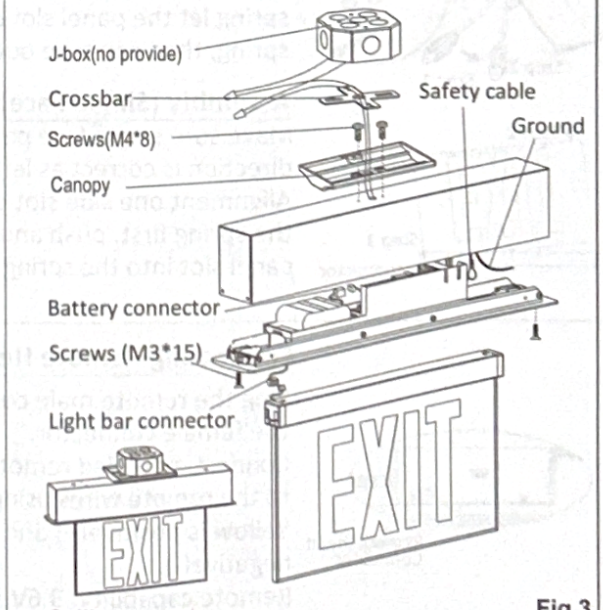
NOTICE: MUST WEAR GLOVES. (see Fig 2 or 3)

1. Knockout center hole, insert plastic washer, assembly canopy use M4*8mm screws.
2. Separate trim plate to connect battery connectors.
3. Feed AC supply wires through the center hole.
4. Assembly trim plate back use M3*15mm screws.
5. Attach crossbar to junction box, set the longer blade to crossbar touching the J-Box.
6. Route the proper wires through mounting hole out of housing, make electrical connections inside the J-Box as wiring diagram.
7. Push excess wire into J-Box, use screws tighten canopy to crossbar so that canopy is securely fastened and tight against the wall.
8. Double face panel been insert into the light bar, if change to single face must use flat screwdriver release it and insert into single face panel, make sure the single face EXIT letter direction is correct.
9. Connect light bar connector, assembly panel module to trim plate.



Wall mount

Fig 2



Ceiling mount

Fig 3

INSTALLATION INSTRUCTIONS

RECESSED CEILING & WALL MOUNT

NOTICE: MUST WEAR GLOVES.

1. Position recessed kits between joists. Make sure bar hangers to be hanged in the correct position. Position recessed kits temporarily by hammering "nail-in" tabs on bar hangers, then secure permanently with nails. Bar hangers should be level with bottom of joists . Adjust height of recessed kits vertically using adjusting slots and then tightening all screws on adjusting slots and bar hanger bracket to secure adjusting bracket and bar hangers.
2. Separate trim plate, connect battery connectors.
3. Hang safe rope to the module clip see Fig. 7
4. Disassembly J-box cap, Route the AC line and proper wires into the J-Box.
5. Make electrical connections as wiring diagram.
6. Push excess wire into J-Box, tighten J-box cap back.
7. Assembly trim plate back use M3*15mm screws.
8. Peel off protection film from EXIT panel, Connect light bar connector, assembly panel module to trim plate.

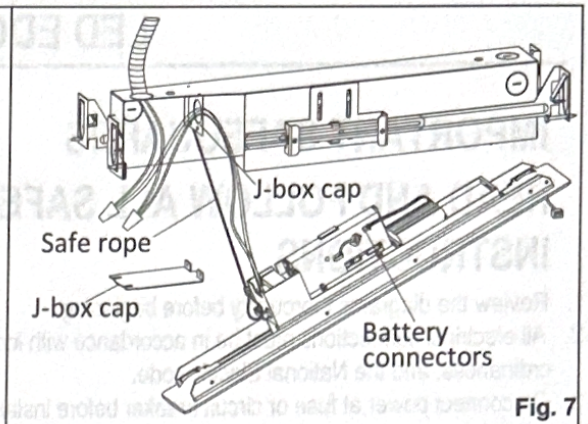


Fig. 7

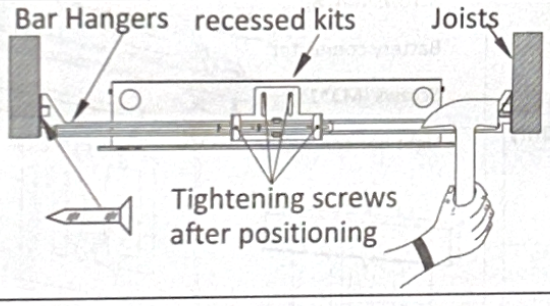
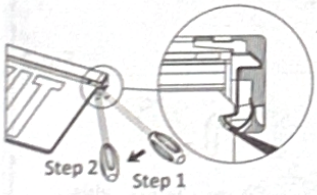
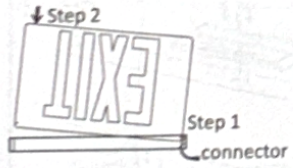


Fig. 4



Disassembly (Double Face) Panel

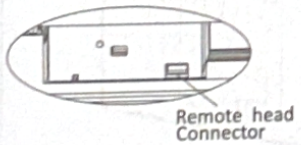
Using flat screw driver insert the gap between the panel and clip, press the spring let the panel slot out of the spring, then can take out the panel.



Assembly (Single Face) Panel

Make sure single face panel EXIT letter direction is correct as left figure. Alignment one side slot of the panel to the spring first, push another side panel slot into the spring.

Fig. 5



Connecting Remote Heads

Plug the remote male connector into the female connector.
Connect extended remote head wires to the remote wires using wire nut.
Yellow is positive(+) and the purple is negative(-).
Remote capability: 3.6V 3W max.

Fig. 6

Recessed wall mount

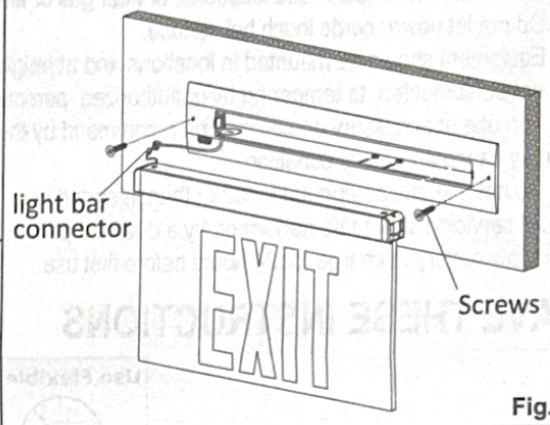


Fig. 8

Recessed ceiling mount

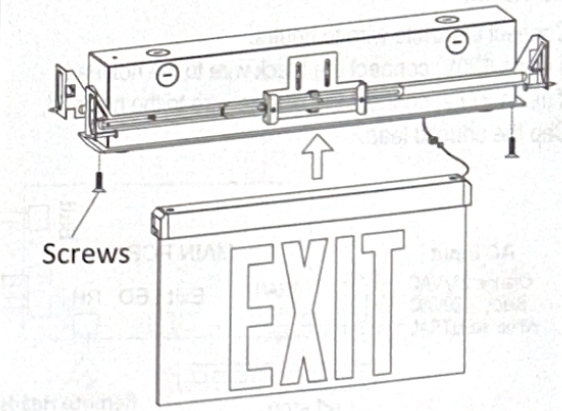


Fig. 9

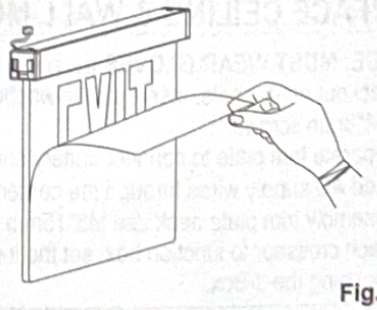


Fig. 10

BATTERY STOCK AND RECHARGE GUIDELINE

Emergency fixtures use maintenance free batteries. When a fixture is on the shelf (stored) before installation, all battery types need regular discharge and recharge to avoid battery deterioration. Deterioration can result in permanent capacity loss or complete Battery failure, emergency fixture manufacturer can not provide quality warranty for battery if do not operate proper maintenance before installation.

The recharge period is always taken from the Manufacture Date written on the battery surface

Lead-Acid battery:
Shelf life = Recharge Required = 3 months.
Recharge should involve full discharge and recharge to at least 50% rated capacity

Ni-Cad and Ni-MH battery:
Shelf life = Recharge Required = 9 months.
Recharge should involve full discharge and recharge to at least 50% rated capacity

LiFePO4 battery:
Shelf life =Battery Charge Required = 12 months
Battery should recharge to at least 50% rated capacity

Battery discharge and recharge can be operate by emergency fixture itself, also can operate by other professional discharge and recharge equipment, below instruction for reference.

Battery type	Operate by EM fixture	Operate by other equipment
Lead-Acid battery (Rated 6V battery)	Discharge then Charging battery around 12 hours	Discharge 100% rated capacity, Charge current 0.3A max, constant voltage 7.2-7.35V*12 hours
Ni-Cad and Ni-MH battery	Discharge then Charging battery around 12 hours	Discharge current 0.2CA to 1V per cell cut off. Charge current 0.1C*12 hours.
LiFePO4 battery	Charging battery around 12 hours	Charge current 0.2CA Limit battery voltage 3.365V per cell

Emergency fixture in stock

When a fixture is on the shelf (stored) before installation, battery must not connect to PCBA to avoid self-discharge, battery must keep disconnect status before installation.

If battery connect to PCBA without charge battery for over 10 days, battery will be deteriorate because of battery self-discharge properties, and cannot recover to original capacity.

BATTERY SHIPPING

We advise that, when shipping batteries (of any type) over long distances, where the battery may be subjected to high temperatures for long periods, it is best practice to not charge the battery above 60% capacity.
This practice helps to minimise permanent damage to the battery.

BATTERY SAFETY INFORMATION

Proposed long term storage temperature in 15 ℃ ~25℃, humidity in 45-85% for all type battery.

Lead-Acid battery Handing and storage

Store batteries in cool, dry, well-ventilated areas with impervious surfaces and adequate containment in the event of spills.
Batteries should also be stored under roof for protection against adverse weather conditions.
Separate from incompatible materials, Store and handle only in areas with adequate water supply and spill control. Avoid damage to containers. Keep away from fire, sparks, and heat.

Ni-cad battery/ Ni-MH battery /LiFePO4 battery

Do not damage or remove the external tube.
Never throw out cells in a fire or expose to high temperature.
Do not soak cells in water and seawater.
Do not expose to strong oxidizers.
Do not give a strong mechanical shock or throw down.
Never disassemble modify or deform.
Do not connect the positive terminal to the negative terminal with electrically conductive material.
Do not short or install with incorrect polarity.
Avoid direct sunlight high temperature, high humidity and the places where it is exposed to the static electricity.