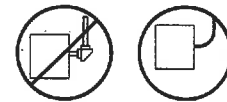


INSTALLATION INSTRUCTIONS FOR EXIT SIGN AND EMERGENCY LIGHT COMBINATION

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, for 2 batteries model, need 48 hours fully charge batteries.

Use Flexible Conduit Only



SAVE THESE INSTRUCTIONS

WIRING DIAGRAM (see Fig 1)

AC Wiring

Connect the J-box wires to the 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.

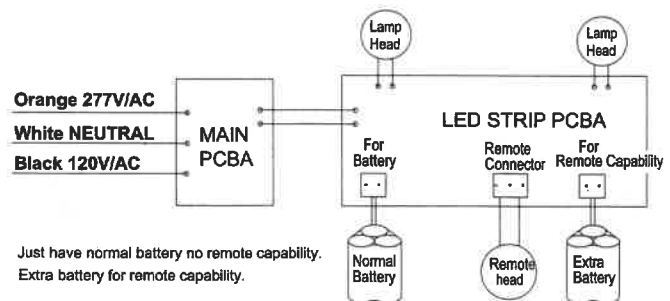


Fig 1

Assembly Lamp Heads (see Fig 2)

1. Open front cover by flat screwdriver.
2. Snap lamp head on the 2 corners of frame. if unit is ceiling mount or side mount, lamp head can assemble backward.
3. Attach 2 pcs lamp heads male and female connector together.

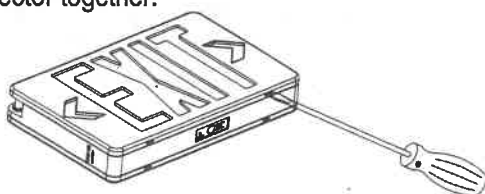
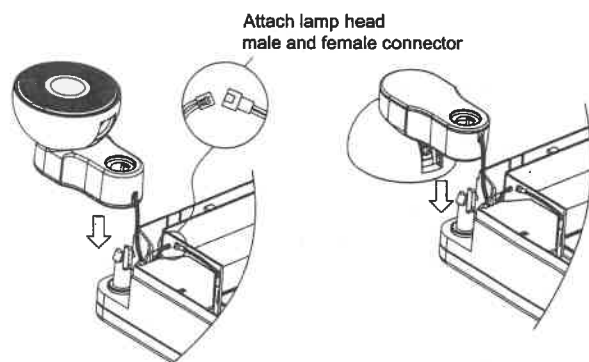


Fig 2



Lamp head forward

Lamp head backward

Wall Mounting (see Fig 3)

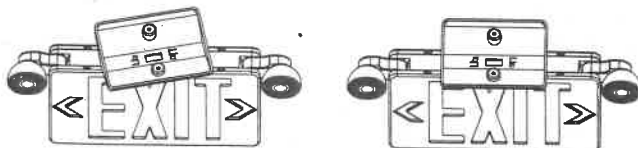
1. Open front cover and assemble 2 pcs lamp heads on the frame.
2. Knock out center and appropriate mounting screw holes on the back plate.
3. Route the proper wires through center hole out of housing .
4. Make electrical connections inside the J-Box as wiring diagram.
5. Push excess wire into J-Box, use screws tighten unit to J-Box.
6. Snap chevron to EXIT panel if required.
7. Attach battery connector to PC board, restore front panel on unit, adjust position of lamp heads as need.

Side or Ceiling Mounting (see Fig 4, Fig 5)

1. Attach crossbar to junction box, set the crossbar so that the longer blade is touching the J-Box.
2. Open front cover and assemble 2 pcs lamp heads on the frame.
3. If double face is desired, replace back plate with additional face plate provided.
4. Remove out the mounting hole cover on the top or side of the unit, assemble the canopy (see Fig 6).
5. Route the proper wires through mounting hole out of housing .
6. 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. Snap chevron to EXIT panel if required.
9. Attach battery connector to PC board, restore front panel on unit, adjust position of lamp heads as need.

Fig 6

Canopy assembly



Insert canopy into housing at 20 degree angle and twist. Quick snap is now locked firmly.

CAUTION: Trying to remove canopy after it is locked in place may cause damage.

Connecting Remote heads (see Fig 7)

Using normal battery, no remote capability.

Using extra battery with remote capability.

Connect remote heads extension wire to remote wire, yellow is positive(+), purple is negative(-). connect wires using wire nuts.

Remote capability reference below:

KDC-880-(HO)2RC has max. 3.6V 1.5W remote capabilities.

KDC-880-4RC has max. 3.6V 2.5W remote capabilities.

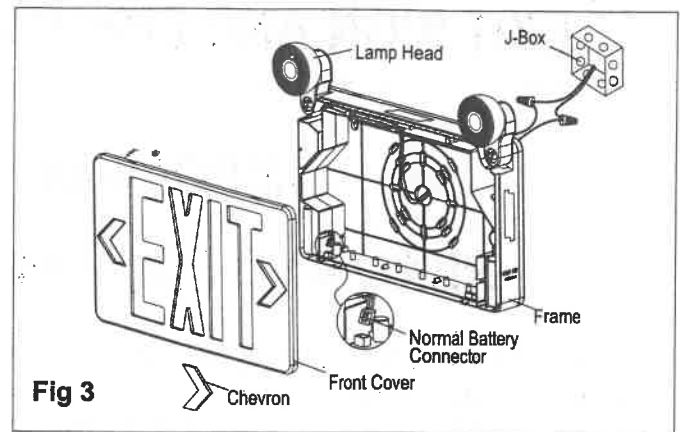


Fig 3

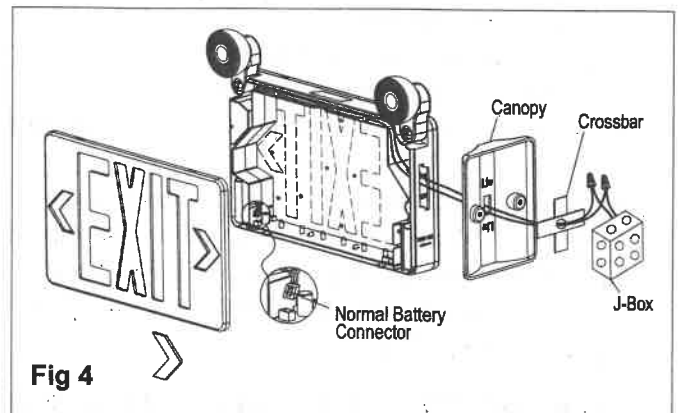


Fig 4

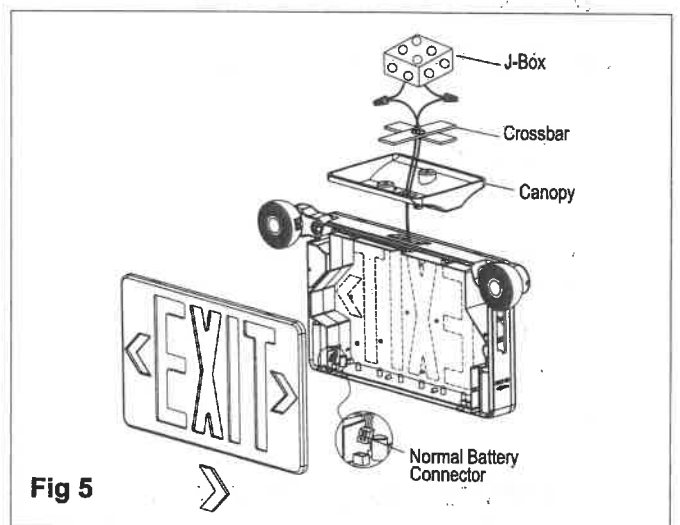


Fig 5

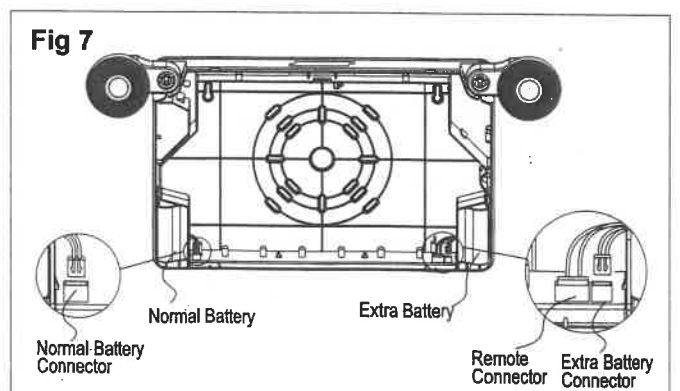


Fig 7

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 °C ~25°C, humidity in 45-85% for all type battery.

Lead-Acid battery Handling 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.