

NYC APPROVED COMBO EMERGENCY EXIT LIGHT

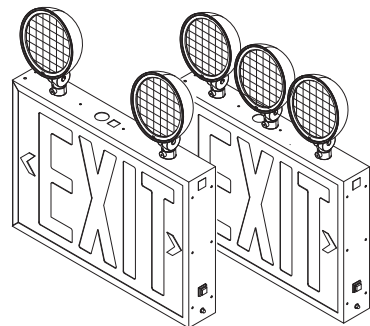


Installation Instructions for EXIT/LED/COMBO/1F/2-3H/EM/NYC

Ideal for New York applications where steel exits with 8" letter height and emergency lighting are required.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

Working Voltage: 120V/277V 60Hz	Input Wattage: 4.5W/6W
Input Current: 0.04A/0.02A	Output Wattage: 1W + 3x1W (MAX)
Efficiency: 0.96P	Ni-Cad Battery: 3.6V/2000mAh
Recharge Time: 24 Hours	Emergency Duration: >= 1.5 Hours
Op. Temperature: 41°F - 95°F	



14.6"(W)x16.4"(H)x2.2"(D)

⚠ IMPORTANT The battery in this unit may not be fully charged. After electricity is connected to unit, let battery charge for at least 24 hours, then normal operation of this unit should take effect. To check, press TEST button. The emergency LED lamps should be illuminated. When re-lamping, use only LED lamps specified in the fixture. Using other lamp types may result in transformer damage or unsafe conditions.

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. RISK OF FIRE OR ELECTRIC SHOCK. NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED. 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. DO NOT USE ABRASIVE MATERIALS, OR OTHER SOLVENTS. USE OF THESE SUBSTANCES MAY DAMAGE FIXTURE, WHICH MAY RESULT IN PERSONAL INJURY. 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.

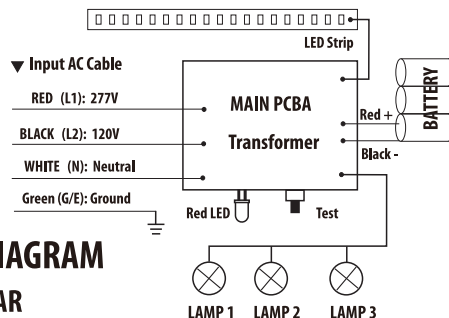
IMPORTANT SAFEGUARDS: Before wiring to power supply, turn off electricity at fuse or circuit breaker. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction and operation of the product and the hazards involved. When using electrical equipment, always adhere to basic safety precautions including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not use outdoors.
2. Equipment should be mounted securely in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
3. Do not mount near gas or electric heaters.
4. Cap unused wires with enclosed wire nuts or other approved method.
5. Do not use this equipment for anything other than its intended use.
6. The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
7. Make sure wire terminations are secure and leads are properly tucked in appropriate wire channels.
8. Disconnect AC power before servicing and installation.
9. Consult local building code for approved wiring and installation.
10. Any service on this equipment should be performed by qualified personnel only.
11. Use caution when servicing batteries.

CAUTION This equipment is furnished with a sophisticated low voltage battery dropout circuit to protect the battery from over-discharge after the useful out-put has been used. Allow 24 hours recharge time after installation or power failure for full-load testing or usage.

WIRING DIAGRAM REGULAR



Max. Mounting Height: 20.77FT (6.33M) or the equivalent.

Fig. 1

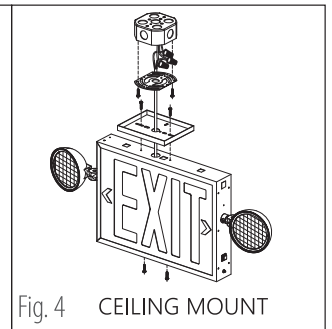
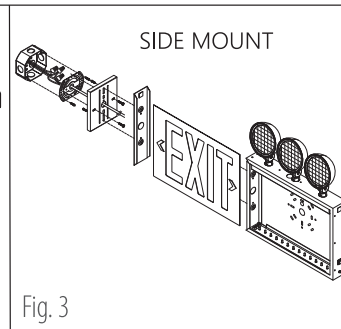
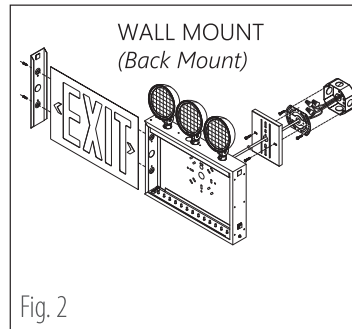
New York City Approved.

STANDARD FOR SAFETY UL924

INSTALLATION

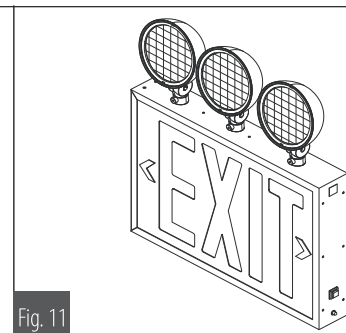
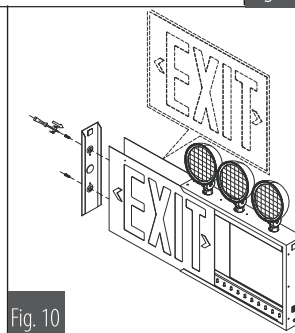
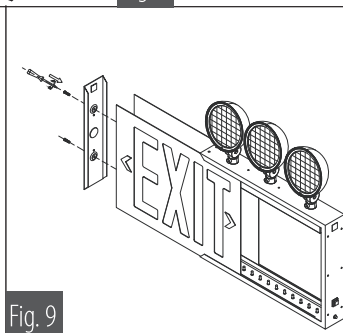
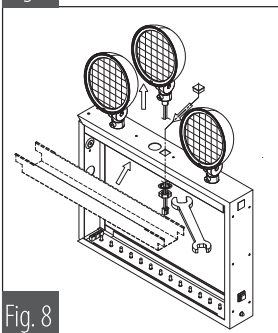
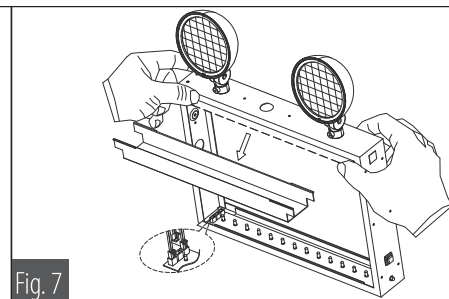
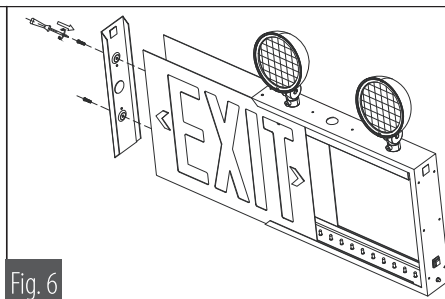
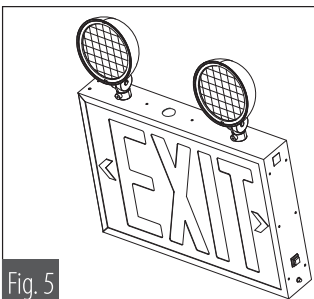
Wall Mounting -

1. Slide out the front exit panel face plate and lens/filter by removing the screw on the side of the unit.
2. Remove internal metal reflector plate by removing the two (2) screws.
3. Determine which mounting holes will be used to mount the fixture to J-BOX and then punch out the proper K/Os from the K/O pattern on the back panel of the housing.
4. There are two additional KEY HOLE slots located on the top of the unit. These holes must be used when the unit is mounted to the wall.
5. Connect AC supply wires to fixture input wires. Black is for 120V; Red is for 277V; White is for neutral.
6. Connect the RED and BLACK leads coming from the circuit board to the battery terminals. RED lead would be connected to the positive terminal and BLACK lead to the negative terminal.
7. Replace the internal metal reflector and secure unit with the two (2) screws.
8. Re-insert the front EXIT panel and RED lens/filter and secure with screw.



OPTION: ADDITIONAL 3rd LIGHTING HEAD. if required this head could be re-mounted in between the two existing heads on the unit. This could be done before, during or after the unit's installation. The procedure is described in the following steps.

1. Use screwdriver to take out the side cap. remove faceplate and back plate. (Fig. 6)
2. Remove the hardware cover. Gently pull out the remote head wire from terminal connector. (Fig.7)
3. Remove the plastic cap on the hole. Install the head as indication. (Fig.8)
4. Install back the faceplate, back plate and side cap. (Fig.9)
5. if for double faces, same as step 4, but to install the second faceplate instead of backplate. (Fig.10)



OPERATION

1. To test the equipment, depress the TEST switch. The charge (LED) indicator will turn OFF and the emergency lights will illuminate. Exit section will remain illuminated.
2. Once you release the TEST switch the emergency lights will turn OFF and the charge (LED) indicator will illuminate.
3. The automatic charger will return into action, charging the battery and trying to maintain it in a fully charged state.

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

MAINTENCE:

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

1. BATTERY: The battery supplied with this unit requires ZERO maintenance. However it should be tested periodically (see TESTING section) and replaced when it no longer operates the connected fixtures for the complete duration of a 30-second or 90-minute test. It has a life expectancy of 5-7 yrs when used in a normal ambient temperature of 72°F.
2. OTHER: Clean lenses and replace lamp as and when required.

TESTING:

Paragraph 31-1.3.7 of NFPA 101-1985, Life Safety Code requires that all emergency lighting equipment be functionally tested every 30 days for a minimum of 30 seconds and tested annually for full 90-minute duration. Written records of the testing are to be kept for examination by the authority having jurisdiction.

TROUBLESHOOTING:

1. The emergency lights DO NOT operate and
 - a. If the charge indicator light is OFF - Check that the circuit breaker for AC supply is ON.
 - b. If the charge indicator light is ON
 - Check that the battery is properly connected.
 - If remote lamps are connected to the equipment, then turn OFF the AC supply and disconnect the remote circuit wires from the equipment. Turn ON the AC supply and depress the test switch. If the local lamps (mounted on the equipment itself) come ON, then check the remote circuit for short or overload condition and correct as required. Reconnect the circuit wires and restore AC power.
 - If the local lamps don't turn ON after disconnecting the remote circuit wires, then replace battery
2. Emergency lights are dim - implies battery might not be fully charged, Allow battery to recharge for 24 hours and then re-test.
3. Remote lights are dim - Remote wire size is too small causing excessive voltage drop (more than the permitted 5% and thus causing the lamps to illuminate with less intensity.