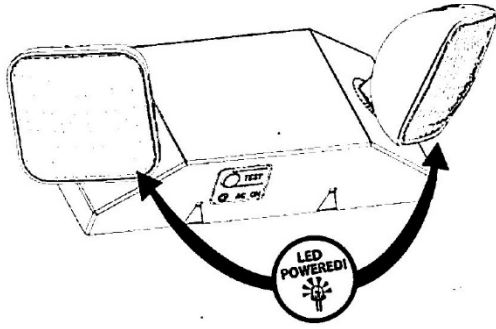# Instructions for LED Emergency Lighting Fixture

IMPORTANT:

Let the battery charge up for at least 24 hours. Then normal operation of this unit should take effect. To check, press the "TEST" button. The LED lamps on the unit should turn ON. During an electrical power failure, the LED lamps will automatically come on for a minimum of 90 minutes. In accordance with NFPA 101, your emergency lighting system must be tested monthly for a minimum of 30 seconds and annually for 90 minutes. Refer to your local codes for any additional requirements that may apply.
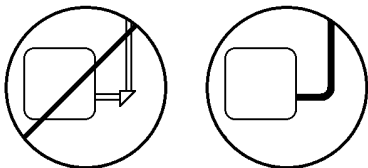
IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTION

1. Do not use outdoors.
2. Equipment should be mounted in locations and at heights where it will not be subject to tampering by unauthorized personnel.
3. Do not mount near gas or electric heaters.
4. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
5. Do not use this equipment for anything other than its intended use.
6. Servicing of this equipment should be performed by qualified personnel.
7. Disconnect AC power before servicing.

SAVE THESE INSTRUCTIONS

FLEXILE CONDUIT ONLY

INSTALLATION (J-BOX MOUNTING)

1. Feed fixture leads through the back plate and connect to AC power supply (Fig. A). For 120V use black and white wires and for 277V, use red and white wires.
2. Attach back plate to J-Box and secure with screws.
3. Complete the battery connection. (Fig. B)
4. Align snaps and push housing directly onto the back plate (Fig C.). Apply continuous AC power and press "TEST" button to check light.

INSTALLATION (CONDUIT)

1. Secure back plate to wall surface. Route wires through hole in conduit flange and make conduit connection. For 120V, use black and white wires and for 277V, use red and white wires.
2. Complete the battery connection (Fig B).
3. Align snaps and push housing directly onto the back plate (Fig C.). Apply continuous AC power and press "TEST" button to check light.
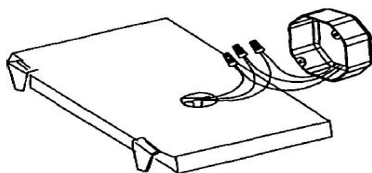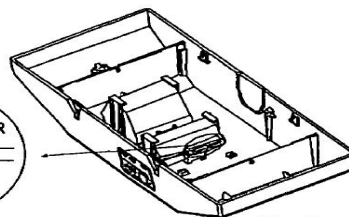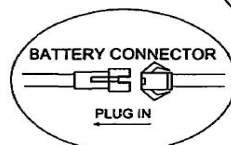
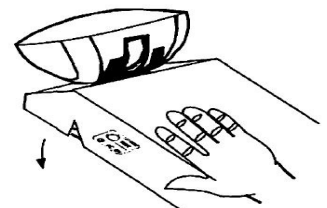

Fig.A (J-Box)

BATTERY CONNECTOR
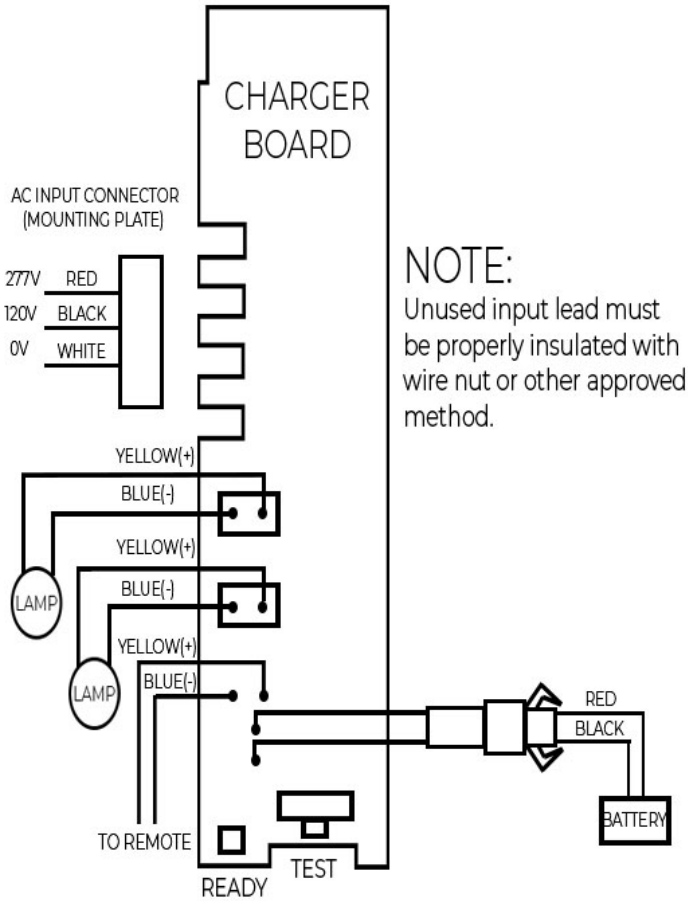PLUG IN

Fig.B

Fig.C

WARNING

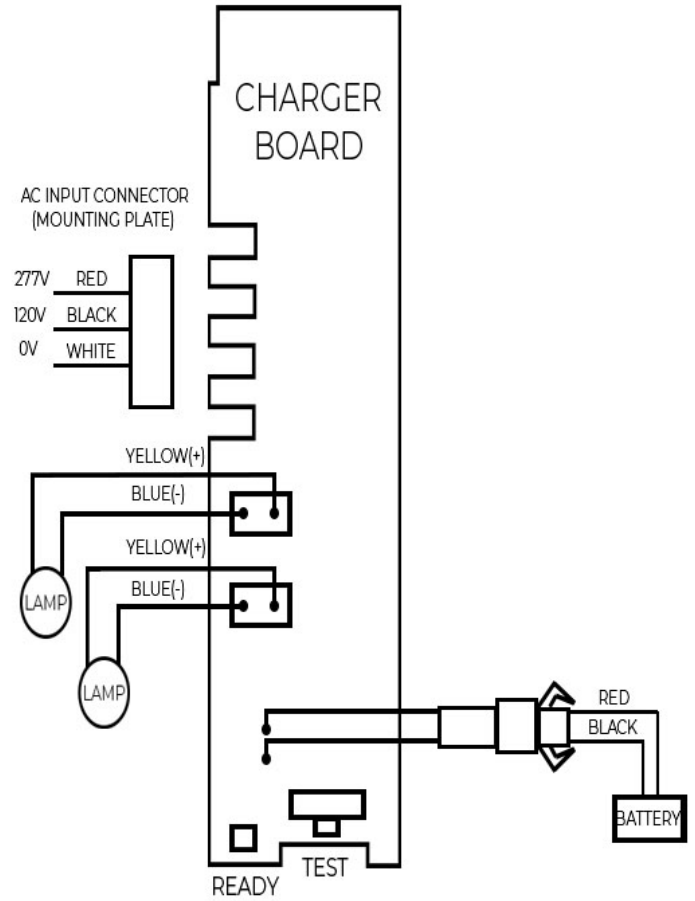Unused wires must be capped using enclosed wire nuts.

OPERATION

1. During an electrical power failure, the LED lamps will automatically come on for a minimum of 90 minutes.
2. To test, depress the "TEST" switch. The emergency LED lamps will illuminate. When the switch is released, the lamps will go off.

WIRING DIAGRAM

REMOTE CAPABLE

CHARGER BOARD

AC INPUT CONNECTOR
(MOUNTING PLATE)

277V   RED
120V   BLACK
0V   WHITE

NOTE:
Unused input lead must be properly insulated with wire nut or other approved method.

YELLOW(+)
BLUE(-)
YELLOW(+)
BLUE(-)
YELLOW(+)
BLUE(-)

LAMP
LAMP
LAMP

RED
BLACK

BATTERY

TO REMOTE
READY
TEST

REGULAR

CHARGER BOARD

AC INPUT CONNECTOR
(MOUNTING PLATE)

277V   RED
120V   BLACK
0V   WHITE

YELLOW(+)
BLUE(-)
YELLOW(+)
BLUE(-)

LAMP
LAMP

RED
BLACK

BATTERY

READY
TEST

Note:

Use 18-22 AWG standard Wire to connect remote lamp heads.

INSTRUCTIONS FOR SELF-DIAGNOSTICS TEST:

Once the unit is properly installed according to the installation instructions sheet and AC power supplied, the dual color LED indicator will come ON and the self-diagnostic test function will automatically initiate. The LED indicates the unit's status. A STEADY GREEN LED indicates normal service; FLASHING GREEN indicates the unit is testing; GREEN/RED FLASHING indicates the battery is charging; RED (in different combinations) would indicate a service alert. Refer to the SERVICE INDICATION char below for more details. The LED would be OFF when the unit is in emergency mode.

SELF-DIAGNOSTIC SERVICE

The self-diagnostics function is factory preset and preforms the following:

a. Monitoring of battery, battery charger, and lamps (both local and remote lamps when applicable)
b. Self-testing and a 30-second or longer discharge once every 30 days, after AC power has been supplied for a minimum of 24 hrs.
c. Self-testing and a 30-minute or longer discharge once every 180 days, after AC power has been supplied for a minimum of 24 hrs.
d. Self-testing and a 90-minute discharge once every 365 days, after AC power has been supplied for a minimum of 24 hrs.

SERVICE INDICATION

LED Indicator	Status
One flash red	Replace electronics
Two flash red	Replace battery
Four flash red	Replace lamp head board
Five flash red	Replace Remote lamp or Remote lamp head disconnected
Steady red	Battery Disconnected
Solid green	Trickle Charge
Flashing green	In Test
Red/Green flashing	Hi Charge

MANUAL TESTING

The unit also provides for manual testing by pushing the test button is a specific pattern.

Action	Reaction & LED Indication
Push test button Once (within 2 seconds)	30-second test: FLASHING GREEN
Push test button Twice (within 2 seconds)	30-minute test: Green
Push test button Three times (within 2 seconds)	90-minute test: Green FLASHING three times
Push test button and hold for 3 seconds (In test mode)	Cancels test. If self-test is cancelled it is recommended that a manual test of the same duration be performed at a more convenient time to ensure compliance.
Push test button and hold for 6 seconds (In test mode)	System reset.

WARNING:

a) Make sure that power is OFF before making any electrical connections.
b) Unused wires must be capped using enclosed wire nuts.