

## INSTALLATION INSTRUCTIONS XMR 50

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

**CAUTION:** The batteries in this unit may not be fully charged. After electricity is connected to unit, let batteries charge for at least 24 hours, then normal operation of this unit should take effect. To check, press TEST button. The emergency lamps should illuminate.

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

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. Disconnect AC power before servicing and installation.
8. Consult local building code for approved wiring and installation.
9. Use caution when servicing batteries.
10. Any service on this equipment should be performed by qualified personnel only.
11. Make sure wire terminations are secure and leads are properly tucked in appropriate wire channel

### PRE-INSTALLATION STEPS

1. Pry open the housing by lifting the tabs on the back box using a flat screwdriver (Figure A)
2. Separate the front part (disconnect lamp head connectors) and set aside. (Figure B)
3. Separate the backplate from the back box by pushing down on the '4' clips holding them together. (Figure C & D)

### INSTALLATION (J-BOX MOUNTING):

1. After going through the pre-installation steps, pry out the center knockout on the backplate. Feed fixture leads through it into the junction box.
2. Connect fixture leads to AC power supply and the Remote Lamp head leads (if connecting any) in the junction box. For 120V Supply, use the black and white leads and for 277V supply, use red and white leads. Yellow and Purple leads are used to connect remote lamp heads.
3. Remove the appropriate knockouts and attach the backplate to the junction box using screws.
4. Align clips and push backbox against the back plate until it snaps on.
5. Remove the batteries (provided) from the unit carton and place them in the backbox. Secure them to the backbox using the fastening strap provided. (Figure E)
6. Complete electrical connection to the batteries, to match with the wiring diagram.
7. Snap on the front part to the backbox. Apply continuous AC power to the unit.



Figure A

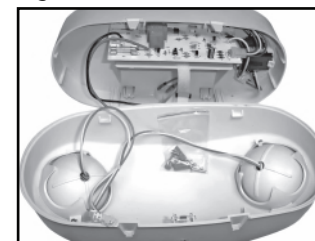


Figure B

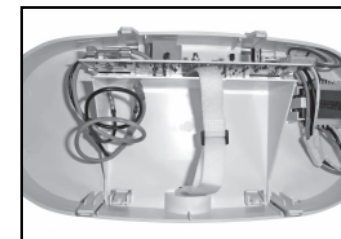


Figure C



Figure D

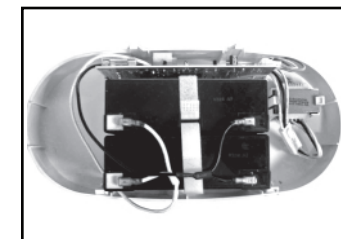


Figure E

# INSTALLATION INSTRUCTIONS XMR 50

## INSTALLATION (Conduit)

1. After going through the pre-installation steps, remove the appropriate knockouts and secure backplate to the wall using screws.
2. Route the fixture leads through the hole in the conduit flange and make conduit connection.
3. Connect fixture leads to AC power supply and the remote lamphead leads (if connecting any). For 120V supply use the black and white leads and for 277V supply, use red and white leads. Yellow and Purple leads are used to connect remote lamp heads.
4. Align clips and push backbox against the back plate until it snaps on.
5. Remove the batteries (provided) from the unit carton and place them in the backbox. Secure them to the backbox using the fastening strap provided. (Figure E)
6. Complete electrical connection to the batteries, to match with the wiring diagram.
7. Snap on the front part to the backbox. Apply continuous AC power to the unit.

## OPERATION:

1. Apply AC power to the unit. The LED Indicator should turn RED.
2. After the batteries have been left to charge for 2 hours, test the unit by pushing the switch. The LED indicator turns OFF and the lamps on the unit turn ON.
3. When the switch is released, the lamps turn OFF and the LED indicator turns back to RED.

## MAINTENANCE:

Caution: Always turn off AC power to the equipment before servicing. Servicing should be performed only by a qualified service technician. Use only MANUFACTURER supplied replacement parts.

1. BATTERY: The batteries supplied in this equipment require no maintenance. However, they should be tested periodically (see TESTING) and replaced when they no longer operate the connected fixtures for the duration of a 30-second or 90-minute test. The batteries supplied in this equipment have a life expectancy of 2-3 years when used in a normal ambient temperature of 72°F.
2. OTHER: Clean lenses and replace lamps, as and when required.

## TESTING:

National Electric Code (NEC) and NFPA life safety code regulations require that routine tests need to be performed as listed below: Once every month, the unit needs to be tested for duration of 30 seconds. Push in and hold the test switch to perform this test. Once every 12 months, a full 90 minute (per UL requirements) test needs to be performed on the unit. Disconnect power to the unit and leave it in the emergency mode. The lamps should stay ON for at least 90 minutes.

## TROUBLE - SHOOTING:

### Condition - The emergency lights do not operate

1. If the charge indicator light is off: Check that the circuit breaker for AC supply is ON.
2. If the charge indicator light is ON: Check that battery is properly connected. If problem persists, Replace battery.

### Condition - Emergency lights are dim

1. Battery not fully charged. Allow battery to recharge for 24 hours and then retest. If lights are still dim, replace battery.

