**OPERATION**

**“AC ON” LED is illuminated when AC power is present.**

**NOTE:** All models are supplied with an AC-Lockout circuit, which prevents the lamps and “EXIT” legend from illuminating when the battery is connected and no AC power is present.

**NOTE:** All models are supplied with a Low Voltage Disconnect circuit, which prevents damage to the battery from deep discharge during prolonged emergency operation.

**NOTE:** Batteries are shipped uncharged and disconnected.

**NOTE:** Batteries are shipped in a discharged state – this is normal. The battery will require charging. Allow several hours of charge before testing the unit.

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**MAINTENANCE**

**TROUBLE SHOOTING**

- **“EXIT”** legend does not illuminate
  - Check wiring connections.
- Emergency circuit does not work
  - Batteries are shipped uncharged and disconnected.
  - Connect power pack leads and charge before testing.
  - Make sure charge circuit is properly seated.
  - Check wiring connections.

**MAINTENANCE**

Signs should be tested and maintained in accordance with National Electrical Code and NFPA 101 Life Safety Code requirements.

It is recommended that emergency exit signs be tested for 30 seconds once a month and for 90 minutes once a year.

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**LAMP REPLACEMENT**

**CAUTION:** Halogen lamps operate at high temperatures.

- Allow defective lamp to cool completely before replacing.

1. Remove plastic lamp retaining ring.
2. Pull defective lamp from lighting head assembly and plug new lamp into socket.
3. Plug replacement lamp into socket and install lamp into lighting head assembly.
4. Remove lamp retaining ring (flat side toward lamp).

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**RECYCLING INFORMATION**

- All thermoplastic parts are recyclable.
- All models contain recycled materials.
- All models contain nickel cadmium batteries.
- Please recycle responsibly.

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**IMPORTANT SAFEGUARDS**

- Do not use outdoors.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.
- The use of accessory equipment not authorized by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than its intended purpose.
- Servicing of this equipment should be performed by qualified service personnel.
- Test cycling: the Life Safety Code (NFPA 101) requires testing of emergency exit signs once a month for a minimum of 30 seconds and once a year for a minimum of 90 minutes.

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**INSTALLER:**

- **SEE UNIT LABEL FOR ADDITIONAL MODEL SPECIFICATIONS**
- **SAVE THESE INSTRUCTIONS FOR USE BY OWNER/OCCUPANT**

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**WARNING** – This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. Thoroughly wash hands after installing, handling, cleaning, or otherwise touching this product.
INSTALLATION INSTRUCTIONS

WALL MOUNT (BACK POWER FEED)

NOTE: LT models may be wall mounted using the universal mounting pattern in either the unit or exit sign back plate (see instructions below).

1. Remove center ¾" K.O. in selected back plate.
2. Remove appropriate back plate K.O.s for electrical box screws.
3. Feed wires through center K.O.s and mount back plate to electrical box.

CAUTION: If the LT model is mounted to the electrical box from the exit sign back plate, the emergency lighting unit must be mechanically secured to the wall using the keyhole K.O.s provided in the back plate.

4. If mounting by the exit sign back plate, route utility wiring as shown for final connection inside the unit housing.

REMOTE CAPACITY MODEL JUMPER SETTING

LT _ 3 Models only
Remote capacity models provide sufficient battery capacity to operate one additional 5 watt remote lighting fixture. Remote capacity models with the Spectron® option are shipped from the factory with a load sensing jumper provided as shown in position “A” in the adjacent illustration. In this position, the Spectron diagnostic circuitry can sense a failure in any of the unit’s three connected lamps (two integral and one remote).

IMPORTANT: If the third (remote) lighting head is not to be connected (for the purpose of extended run time or other reasons), the load sensing jumper must be reinstalled as shown in position “B” to prevent a false lamp failure indication.

CEILING (TOP) MOUNT

1. Feed building wires through threaded nipple in ceiling mount base plate and affix the plate to the electrical box using screws provided with box.
2. Attach unit mounting bracket to screw studs in base plate using two screws provided.
3. Remove ¾" K.O. in unit back plate top flange and 4 appropriate K.O.s in unit back plate mounting pattern.
4. Place unit back plate onto screw studs in bracket assembly and secure with #8 locking hardware provided.

CAUTION: Make sure the threaded nipple (used as the wiring channel) extends from the base plate through the ¾" hole in the unit back plate top flange.

IMPORTANT: For ceiling mounted applications, two grounding pig tail leads are provided. Both grounding pig tails must be properly connected to the building utility ground for safety reasons.

REMOTE CAPACITY MODEL JUMPER SETTING

LT _ 3 Models only
Remote capacity models provide sufficient battery capacity to operate one additional 5 watt remote lighting fixture. Remote capacity models with the Spectron® option are shipped from the factory with a load sensing jumper provided as shown in position “A” in the adjacent illustration. In this position, the Spectron diagnostic circuitry can sense a failure in any of the unit’s three connected lamps (two integral and one remote).

IMPORTANT: If the third (remote) lighting head is not to be connected (for the purpose of extended run time or other reasons), the load sensing jumper must be reinstalled as shown in position “B” to prevent a false lamp failure indication.

ELECTRICAL CONNECTIONS (ALL MODELS)

1. Attach unit housing to back plate by plastic hinge snaps provided.
2. Connect building wires to transformer leads:
   - Black: unit wires for 120V (cap unused lead)
   - Red: wires for 277V (cap unused lead)
   - Make proper ground connection
3. Connect red circuit board lead to (–) battery terminal.
4. Connect remote lighting load to (+) battery terminal.

Double Face Applications

1. Remove safety tabs to free back plate retainer clips.
2. Disengage detents on bottom edge of back plate and press both retainer clips inward to remove back plate.
3. Place double face stencil assembly onto back side of exit frame and snap into place.

IMPORTANT:

- For ceiling mounted applications, two grounding pig tail leads are provided. Both grounding pig tails must be properly connected to the building utility ground for safety reasons.
- Make sure the threaded nipple (used as the wiring channel) extends from the base plate through the ¾" hole in the unit back plate top flange.
- If the LT model is mounted to the electrical box from the exit sign back plate, the emergency lighting unit must be mechanically secured to the wall using the keyhole K.O.s provided in the back plate.
- If mounting by the exit sign back plate, route utility wiring as shown for final connection inside the unit housing.

- Remote capacity models provide sufficient battery capacity to operate one additional 5 watt remote lighting fixture. Remote capacity models with the Spectron® option are shipped from the factory with a load sensing jumper provided as shown in position “A” in the adjacent illustration. In this position, the Spectron diagnostic circuitry can sense a failure in any of the unit’s three connected lamps (two integral and one remote).
- If the third (remote) lighting head is not to be connected (for the purpose of extended run time or other reasons), the load sensing jumper must be reinstalled as shown in position “B” to prevent a false lamp failure indication.

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