



INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR AC-ONLY MODELS



IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not use outdoors.
2. Do not mount near gas or electric heaters.
3. Equipment should be mounted securely in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
4. The use of accessory equipment and replacement parts not recommended by the manufacturer may cause an unsafe condition.
5. Do not use this equipment for anything other than its intended purpose.
6. The AC voltage rating for this equipment is specified on the product label. Do not connect equipment to any other voltage.

SAVE THESE INSTRUCTIONS

INSTALLATION

1. Extend AC supply of rated voltage (see product label) to an electrical box. Do not energize the supply until indicated. Also, if the sign is supplied with the emergency lamp option (suffix -DC6 or -DC12 appears in the catalog number), extend remote circuit wiring to the box in accordance with Articles 700 and 720 of the National Electrical Code (NEC).
CAUTION: The minimum size wire required by the NEC for remote circuit wiring is #12 copper or equivalent. Your installation may require larger size wiring to ensure that the voltage drop does not exceed 5%.
2. Remove the backplate and glass exit panel from the exit sign by removing the screw on the removable end cap and sliding the backplate and glass panel out. Remove the lamp package(s) and, when provided, canopy kit package from the sign.
NOTE: For double face models remove both glass faces.
3. The sign may be either wall, ceiling or end mounted except as noted. Mount the sign per the applicable mounting procedures which follow.

WALL MOUNTING

- a) Remove the appropriate mounting pattern KO from the back plate to accommodate the electrical box screws, and also the center wire pass through KO from the back plate.
- b) Install the supplied bushing into the wire pass hole.
- c) Bring circuit wiring through the wire pass hole and securely fasten the exit sign to the electrical box.

CEILING OR END MOUNTING USING CANOPY KIT

- a) Remove appropriate mounting hole and wire pass hole KOs from the top or side of the exit sign to accommodate the canopy.
- b) Fasten the canopy to the sign as shown using the two supplied #6-32 screws, lockwashers and nuts.
- c) Install the two supplied #8-32 screws completely in the outer holes in the spider plate as shown.
- d) Route the circuit wiring through the center hole in the spider plate and fasten the plate to the electrical box using the appropriate slots and the screws supplied with the electrical box.
- e) If the sign is to be end mounted, install the supplied high temperature protective sleeve over the circuit wiring.
- f) Route the circuit wiring through the wire pass hole in the canopy into the sign. Then install the sign/canopy assembly on to the electrical box so that the two spider plate screws extend through the recessed holes in the canopy, and secure in place using the two supplied acorn nuts on the screws as shown.

NOTE: If the screws do not extend far enough to permit installation of the acorn nuts, loosen the electrical box screws a few turns to allow the spider plate to move away from the mounting surface.

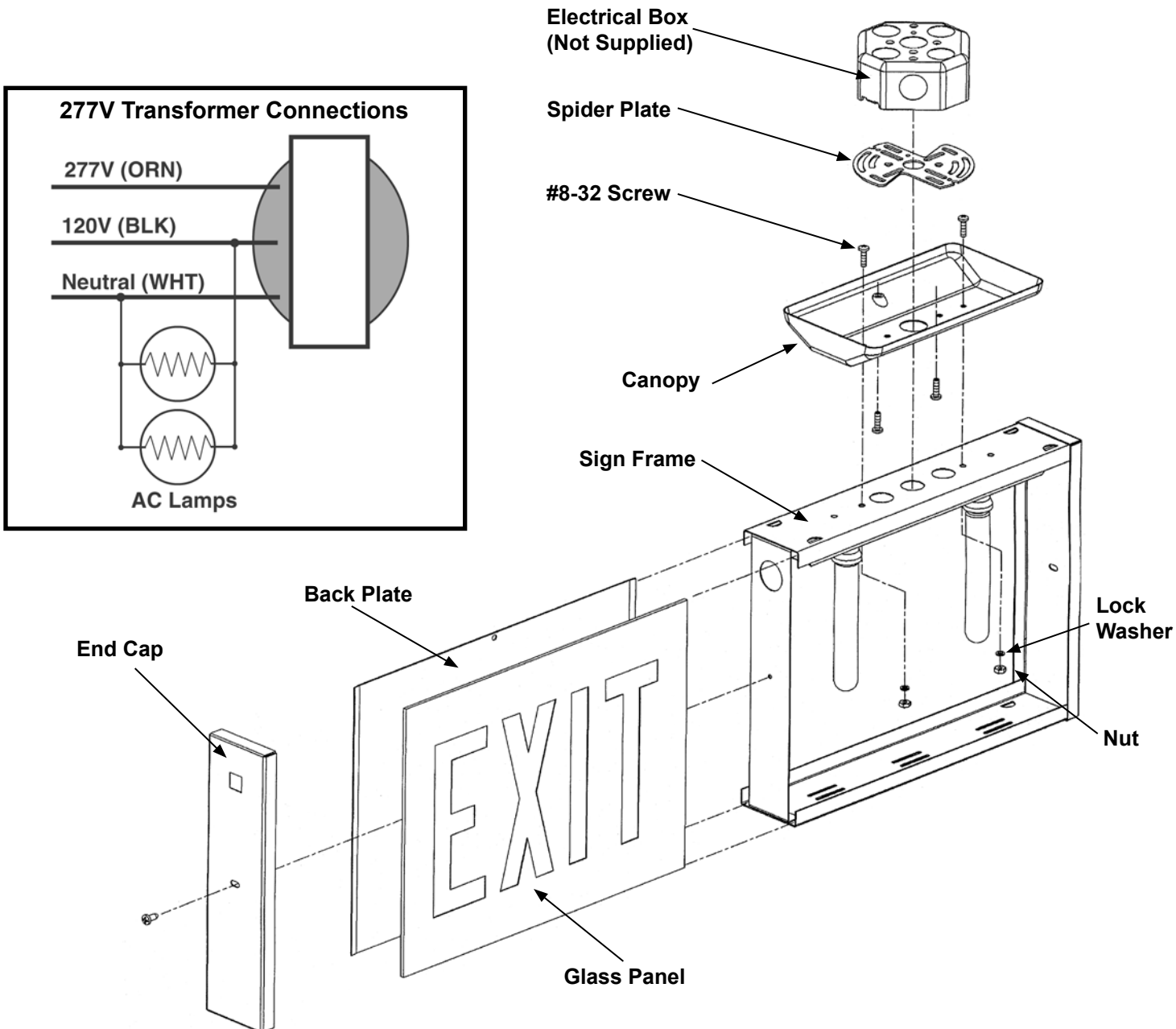
4. Connect the circuit wiring as follows:
 - a) for 120 VAC exit sign Connect the two black leads from the AC sockets to the 120 VAC line wire (hot), connect the two white wires from the AC sockets to the neutral wire.



Warning: Emergency lamp sockets, when provided may have black and yellow lead wires verify that the black wire connected to the 120V line are those from the AC sockets only.

NOTE: If the sign is supplied with optional fluorescent lamps instead of incandescent lamps, only one black lead and one white lead are provided for connection to the AC supply.

- b) Connect the Green Ground lead in accordance with local codes.
- c) When emergency lamps are provided, verify that the remote supply voltage is correct for the supplied lamps (refer to step 1). Then connect the remote circuit wires to the violet (or black) and yellow leads from the emergency lamp sockets using the supplied wire-nuts.
- 5. Install the AC lamps and, when provided, DC lamps into their mating sockets.
- 6. Route wires so they do not touch the lamps or cause shadows in the sign.
- 7. Energize the AC supply. The AC lamps will illuminate. If emergency lamps are provided, operate the test switch on the on the unit. The emergency lamps will illuminate.
- 8. Carefully remove arrow KOs as required from the stencil (s). Replace the stencil (s) in the sign



MAINTENANCE

Replace lamps as required. Refer to replacement label inside of sign for required part number

Caution: Use only specified replacement. The use of lamps with wattage ratings other than those required may result in premature lamp failure, discoloration of sign face and or non compliance with UL or NFPA Life Safety Code 101 illumination requirements.

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