

# MA400E Series

## Installation Instructions



### IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Do not use outdoors.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.
- For use with metal enclosed wiring systems.

### SAVE THESE INSTRUCTIONS!

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### Wall-Mount

1. Extend unswitched 24 hour AC supply of rated voltage to junction box or appropriate wiring (supplied by others). Leave at least eight (8) inches of slack wire. The circuit should not be energized at this time.
2. Remove exit sign faceplate and universal kit. (Fig. 2)
3. Knock out the appropriate mounting pattern and/or wire pass-thru hole on the exit back plate to fit the junction box or wiring connector being used (supplied by others).
4. Bring wires through the back of the sign and mount the exit securely in place. Screw directly to junction box if possible.
5. Connect AC supply per diagram provided (Fig. 6) Insulate unused wire.

CAUTION: Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure.

6. Route wires and secure them in place
7. Remove any directional chevron arrows to be indicated as required from the exit faceplate.
8. Turn on the AC voltage supply.

### Ceiling/End Mount

10. Follow steps 1 to 3 of Wall Mounting instructions above.
11. If double face is required then remove the backplate cover screw and slide the backplate down and out from exit frame. Exit signs specified as double-face will have the second (rear) faceplate installed.
12. On the top and both sides of the exit there are three (3) holes for the canopy, two (2) for the mounting screws and one (1) wire pass-thru hole. Knock out the appropriate canopy mounting holes for your installation. (Fig 3)
13. Bring wires through the wire pass-thru and connect AC supply. Refer to wiring diagram.
14. Secure the exit to the wall or ceiling using the supplied 1 1/2 inch screws and nuts. Screw directly to junction box if possible. A universal spiderplate is supplied to allow for exit sign placement adjustment or connection to a variety of electrical boxes. (Fig 4)
15. For double face exits install the second/rear faceplate.

### With Battery Units

16. For with battery units, plug battery into circuit board. Refer to Fig 5 for the wiring diagram.

Fig. 1

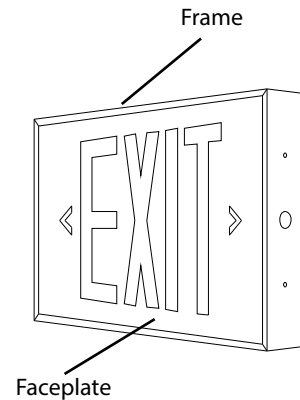


Fig. 2

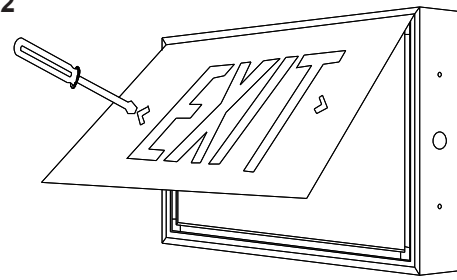


Fig. 3

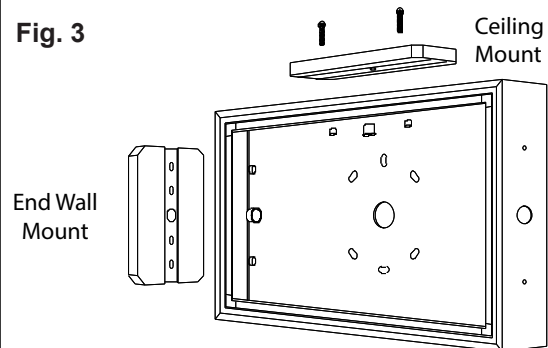
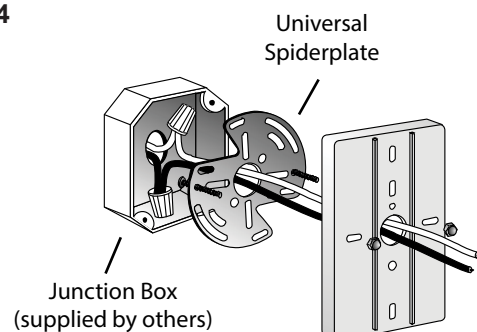


Fig. 4



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### Electrical Connections

All electrical connections should be made inside junction box.

Make Electrical Connections as follows:

#### 120VAC

White - Neutral

Black - 120VAC

Green - Ground

#### 277VAC

White - Neutral

Orange - 277VAC

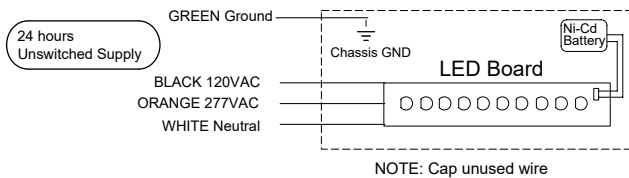
Green - Ground

Note: Cap unused leads to prevent shorting.

### Wiring Diagram

**Note:** The fixture cover is designed to conceal a typical junction box. A 7/8" knock-out is provided to feed power to the fixture. Cap off the UNUSED input lead. Failure to do so can cause an unsafe operating condition.

**Fig. 5 With Battery**



**Fig. 6 AC Only**

