

## CAE SERIES

**IMPORTANT SAFEGUARDS****READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

- DO NOT USE OUTDOORS.
- DO NOT MOUNT NEAR GAS OR ELECTRIC HEATERS.
- EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.
- THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.
- DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE.

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

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. DISCONNECT POWER TO ALL CIRCUITS BEFORE WIRING FIXTURE. INSTALL IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES. DO NOT CONNECT TO AN UNGROUNDED SUPPLY. READ ALL FIXTURE MARKINGS AND LABELS TO ENSURE CORRECT INSTALLATION OF FIXTURE. SUPPLEMENTAL INSTRUCTIONS MAY BE LOCATED ON THE FIXTURE, IN ADDITION TO THIS INSTRUCTION SHEET, REGARDING ORIENTATION, OR MOUNTING RESTRICTIONS.

**SAVE THESE INSTRUCTIONS****INSTALLATION INSTRUCTIONS****I. SURFACE CEILING, WALL OR END MOUNT**

1. De-energize the circuit at the junction box (J-box) where the exit sign is to be installed.
2. Extend unswitched 24 hour AC supply of rated voltage from the junction box.
3. Knock out the appropriate mounting pattern on the exit sign housing to fit the application (ex. wall end, wall back or ceiling mounting). Route wires through the wire access hole and securely fasten the mounting plate to the J-box with screws.
4. Route the wires through the canopy and mount the canopy over the mounting plate with supplied mounting hardware.
5. Mount the electrical housing to the canopy with supplied hardware. Connect power supply accordance with local codes. Wire connections as follows: line to Black lead; Neutral to White lead. Connect green grounding lead to supply grounding conductor.

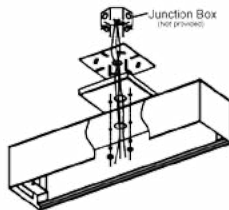


Fig. 1.1

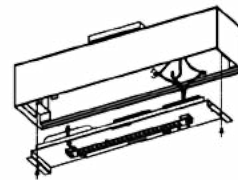


Fig. 1.2



6. When installing exit light (provided with battery for emergency operation) connect battery leads to terminals identified on driver board. Connect red lead to terminal marked + (positive) and black lead to terminal marked – (negative).
7. Install electrical gear into housing and secure with attachment screws.
8. Attach the sign panel by compressing the torsion springs and inserting them into the slots on the electrical gear plate.
9. Check installation by gently pulling on housing and canopy to ensure it is securely held in place.
10. Energize AC supply, LED display will illuminate.
11. When provided with battery, charge battery for 24 hrs. prior to building occupancy.

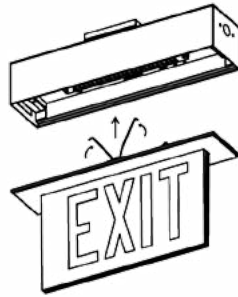
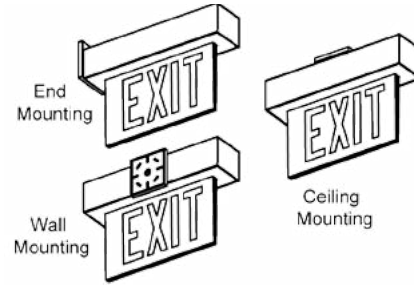


Fig.1.3



## II. CEILING PENDANT MOUNT

1. De-energize the circuit at the junction box (J-box) where the exit sign is to be installed.
2. Extend unswitched 24 hour AC supply of rated voltage from the junction box of sufficient length to allow for routing into electrical housing.
3. Route wires through the center hole of mounting plate and securely fasten the mounting plate to the J-box with screws.
4. Remove center knock out of electrical housing for attachment of mounting stem. Attach opposite end of stem to canopy.
5. Route the wires through the canopy/pendant and mount the canopy over the mounting plate with supplied mounting hardware.
6. Attach electrical gear to the electrical housing with supplied hardware. Connect power supply accordance with local codes. Wire connections as follows: Line to Black lead; Neutral to White lead. Connect green grounding lead to supply grounding conductor.
7. When installing exit light (provided with battery for emergency operation) connect battery leads to terminals identified on driver board. Connect red lead to terminal marked + (positive) and black lead to terminal marked – (negative).
8. Install electrical gear into housing and secure with attachment screws.
9. Attach the sign panel by compressing the torsion springs and inserting them into the slots on the electrical gear plate.
10. Check installation by gently pulling on housing and canopy to ensure it is securely held in place.
11. Energize AC supply, LED display will illuminate.
12. When provided with battery, charge battery for 24 hrs. prior to building occupancy.

**II. RECESSED CEILING MOUNT**

1. De-energize the circuit where the exit sign / exit light will be installed.
2. Extend unswitched 24 hour AC supply of rated voltage to junction box that will be used for connection of equipment.
3. Install recessed housing above ceiling line and secure using supplied hanger bars or by other means, as deemed appropriate. Connect conduit to supply access plate provided on recessed housing.

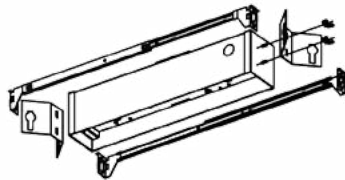


Fig.2.1

4. Route the wires into the electrical compartment.
5. Connect power supply accordance with local codes. Wire connections as follows: line to Black lead; Neutral to White lead. Connect green grounding lead to supply grounding conductor.
6. When installing exit light (provided with battery for emergency operation) connect battery leads to terminals identified on driver board. Connect red lead to terminal marked + (positive) and black lead to terminal marked – (negative).
7. Install electrical gear into housing and secure with attachment screws.

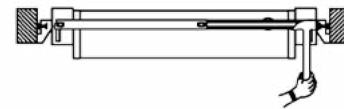
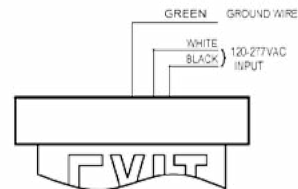


Fig.2.2

8. Attach the sign panel by compressing the torsion springs and inserting them into the slots on the electrical gear plate.

9. Check installation by gently pulling on housing and canopy to ensure it is securely held in place.
10. Energize AC supply, LED display will illuminate.
11. When provided with battery, charge battery for 24 hrs. prior to building occupancy.



Cap off unused wires. In all cases, use standard wire nuts in connection to wires.

## **CUSTOMER SERVICE**

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For technical assistance, call 1-800-4KENALL (1-800-453-6255).

## **WARRANTY**

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LED lamps and internal power regulation components are warranted for a period of three (3) years from the date of the invoice against defects in materials and workmanship.

Kenall reserves the right to issue credit, repair, or replace the defective merchandise, at its discretion, upon notification and confirmation by its local representative of the defect. Kenall also reserves the right to test and examine the defective product if the defect is questionable and to deny the warranty herein for any product altered, improperly installed, or installed in applications for which it is not intended. This includes operation in ambient temperatures above stated limits for any length of time. Failure by electrical surge shall not be covered under warranty.

Kenall assumes no responsibility for labor or freight costs incurred in connection with the installation, removal, or replacement of products determined to be defective or any other consequential or incidental damages arising from the use of the product. Kenall's entire liability on any claim of loss or damage resulting from a defective product is limited to the replacement price of the product.

The foregoing warranty is exclusive of all other warranties and no other warranties of any kind are expressed or implied.

