

**DIRECTLED UNIVERSAL MOUNT NYC APPROVED EXIT SIGN
INSTALLATION INSTRUCTIONS**



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

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH , SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE- For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations.

WARNING: RISK OF ELECTRIC SHOCK- NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED.

WARNING: RISK OF FIRE- Keep combustible material away from hot parts. Observe lamp manufacturer's warnings, recommendations and restrictions on lamp operation and Maintenance. Make sure lamps are correctly installed.

WARNING: DO NOT USE ABRASIVE MATERIALS OR OTHER SOLVENTS. USE OF THESE SUBSTANCES MAY DAMAGE FIXTURE, WHICH MAY RESULT IN PERSONAL INJURY.

WARNING: RISK OF PERSONAL INJURY- This product may have sharp edges. Wear gloves to prevent cuts or abrasions when removing from carton , handling, installing and maintaining this product.

CONTENTS OF BOX LIST:

- 1. Exit sign housing (include LED module)**
- 2. Recessed Trim**
- 3. 10mm Single side panel with customizable chevrons**
- 4. 10mm Double side panel with customizable chevrons**

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- 5. Drywall cutout**
- 6. Instruction Manual**
- 7. Channel bars preinstalled on the housing**
- 8. Plastic Canopy**
- 9. Electrical parts**
 - a. Grounding wire**
 - b. 3 wire caps**
 - c. 4 machine bolts**
 - d. 2 machine screws**
 - e. 2 drywall screws**
 - f. 4 small grey plastic hole covers**
 - g. 2 medium size grey plastic hole covers**
 - h. 2 medium nuts**
 - i. 2 small nuts**
 - j. Spindle for canopy mount**
 - k. Surface mount junction box plate**
- 10. JBOX for recessed installation**
- 11. Recessed panel adapter**

INSTALLATION NOTES:

- Before wiring to power supply, turn off electricity at fuse or circuit breaker.
- Disconnect AC power and unplug battery before servicing
- Consult your local building code for approved wiring and installation.
- UL Damp location listed standard. (0°C- 50°C)
- Do not let power supply cord touch hot surfaces.
- Do not mount near gas or electric heater.
- Do not install a damaged fixture.
- This product must be installed in accordance with the applicable installation codes and ordinances.
- All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction operation of the product and the hazards involved.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

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- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
- Do not use this equipment for other than intended use.

INSTALLATION INSTRUCTIONS

RECESSED MOUNTING:

A. HOUSING PREPARATION

1. Housing comes with channel bars pre-installed
2. Remove front cover – place aside do not discard
3. Remove panel and screws – do not discard screws
4. Locate recessed panel adapter in box
5. Align holes of recessed panel adapter to holes on housing where the screws WERE located.
6. Use previously removed screws from step “3” to mount the recessed panel adapter to exit sign housing
7. Remove plastic covers for the top three holes.

B. ELECTRICAL PREPARATION

1. Locate the wires for the voltage required for the circuit (120v or 240v). cap the unused wire. Feed the AC input wires through the top center hole.
2. Identify and Locate jbox provided in box. Remove the center knockout and discard. Feed the AC input wires through the center knockout and mount the jbox to the housing using screws provided.
3. Identify the side of the housing that has the ac led and test button. Remove the screws holding the side plate in.
4. Carefully remove the ac led and test button from the trim plate. Disconnect the test button from the leads and insert (2) leads from test button and (1) ac LED through the square on the side of the trim plate. Reconnect the side plate. Place test button on the side, do not discard.
5. EXIT SIGN ships with disconnected battery. Insert battery terminal wire into two-pin male connector to connect.
6. Connect battery only after continuous AC power can be provided to the unit.

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C. HOUSING MOUNTING

1. Position metal housing and bar hangers between ceiling or wall joists. Make sure bar hangers are in the correct position to be mounted. Secure permanently with nails or screw. Housing should sit level with bottom of joists
2. Reference wiring diagrams on back and connect AC input leads to AC power supply leads located in the jbox on top of housing.

D. PANEL INSTALL

1. Install drywall and use cardboard cut out to create opening in drywall for panel installation. Mark where the hole locations are for the trim plate install
2. Locate panel (in box is single and double face) in box. Line holes up on panel with holes on the recessed panel adapter. Use (2) screws provided to secure panel to recessed panel adapter.
3. Locate test button set aside in step A8. Install into trim plate.
4. Locate drywall anchors in bag. Install anchors in location which was marked on the cardboard cutout.
5. Insert trim plate onto panel and slide up. Connect both leads on the test button
6. Insert the led ac light into the bushing on the trim
7. Raise trim all the way up and screw into the drywall anchors installed in step C4.

Turn on circuit

END MOUNT:

1. Secure canopy to end plate of fixture using mounting holes C and E with two (2) $\frac{3}{4}$ " #10-24 screws (included).
2. Run connection wires through large hole between mounting holes C and D.
3. Make electrical connections and mount canopy to junction box (or spider plate if required) using the two recessed mounting holes and two (2) $1\frac{1}{2}$ " #8-32 screws (included).

TOP MOUNT:

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4. Secure canopy to top of fixture using mounting hole A with $\frac{3}{4}$ " #8-32 screw and hex nut, and $\frac{1}{2}$ " center hole (between mounting holes B and C) with threaded nipple and hex nuts (included).
5. Run connection wires through threaded nipple.
6. Make electrical connections and mount canopy to junction box (or spider plate if required) using the two recessed mounting holes and two (2) $\frac{1}{2}$ " #8-32 screws (included).

INSTALLATION (BACK MOUNT):

1. Mount canopy to junction box (or spider plate if required) using the two recessed mounting holes and two (2) $\frac{1}{2}$ " #8-32 screws.
2. Run connection wires through large hole in center of canopy.
3. Secure fixture to canopy with two (2) $\frac{3}{4}$ " #10-24 screws (included) by going directly into mounting holes A and C.
4. Make electrical connections.

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.

OPERATION:

CAUTION: The battery in this unit may not be fully charged. After electricity is connected to unit, let battery charge for at least 24 hours, then normal operation of this unit should take effect.

1. Apply AC power to the sign. The LED Indicator should turn RED.
2. After the battery has been left to charge for 2 hours, test the sign by pushing the switch. The LED indicator turns OFF and the sign should remain ON.
3. When the switch is released, EXIT section remains ON 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.

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Use only MANUFACTURER supplied replacement parts.

1. **BATTERY:** The battery supplied in this equipment requires no maintenance. However, it should be tested periodically (see TESTING) and replaced when it no longer operates the connected fixtures for the duration of a 30-second or 90-minute test. The battery supplied in this equipment has a life expectancy of 5-7 years when used in a normal ambient temperature of 72°F.
2. **OTHER:** Clean exit panel with non-abrasive cloth and cleaner when required.