

VIS

Mounting & Assembly

Installation Instructions

Wall · ceiling · end mount — battery unit and central-battery remote

IMPORTANT SAFEGUARDS — READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not use outdoors.
2. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
3. Do not mount near gas or electric heaters.
4. Cap unused wires with enclosed wire nuts or other approved method.
5. Do not use this equipment for other than its intended use.
6. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
7. Disconnect AC power before servicing and installation.
8. Consult local building code for approved wiring and installation.
9. Use caution when servicing batteries.
10. Any service on this equipment should be performed by qualified personnel only.
11. Make sure wire terminations are secure and leads are properly tucked in appropriate wire channels.

A) MOUNTING & ASSEMBLY

BEFORE YOU BEGIN (ALL MOUNTS)

De-energize the circuit at the junction box where the exit sign is to be installed. The battery may not be fully charged at installation: after electricity has been connected to the unit for at least 24 hours, normal operation takes effect — to check, press the TEST button; the EXIT sign should stay illuminated and the LED lamps should turn on. In accordance with NFPA 101, the emergency lighting system must be tested monthly for a minimum of 30 seconds and annually for 90 minutes — refer to local codes for any additional requirements. UL recommended maximum mounting height is 19.8 ft.

WALL MOUNT

Remove the exit sign stencil and set aside; remove the hardware and LED lamp heads and set aside — the included plastic canopy and mounting plate are not required for wall mount and can be discarded. Drill out the appropriate mounting pattern and the wire pass hole in the EXIT back plate to fit the junction box being used, then feed the red, black and white wires through the wire pass hole. Install the lamp heads (see LAMP HEADS), route the lamp-head wires through the proper wire channels, and connect them to the exit sign lamp board. Make the electrical connections at the junction box in the metal housing per the wiring diagrams, then fasten the back plate to the junction box cover. Connect the battery only after continuous AC power can be provided to the unit. Remove the proper chevron(s) on the EXIT face plate as required and secure the face plate to the housing.

CEILING / TOP MOUNT

Remove the exit sign stencil and set aside; remove the canopy kit, hardware pack, mounting plate and LED lamp heads from inside the EXIT and set aside. Remove the mounting-hole plug on the top of the frame. Place the canopy nose through the mounting hole until the side of the frame touches the canopy; lock the frame onto the canopy by sliding the frame parallel to the canopy length toward the narrow end of the mounting hole, until both snaps engage the canopy nose, preventing any motion back out of the hole. Feed the red, black and white wires through the center of the mounting-canopy hole. Install the lamp heads, route the lamp-head wires through the proper wire channels and connect them to the exit sign lamp board, then make the junction-box connections per the wiring diagrams. Secure the EXIT canopy to the steel mounting plate using the screws provided and fasten to the junction box. Connect the battery only after continuous AC power can be provided, remove the proper chevron(s) on the EXIT face plate as required, and secure the face plate(s) to the housing.

END MOUNT (ONE LAMP HEAD)

Proceed as for ceiling mount, but remove the mounting-hole plug on the right side of the frame. For a single-face, left-side end mount, remove and switch the back plate and face plate before installing the side-mounted LED lamp head. Install the single lamp head, route its wires through the proper wire channels and connect to the exit sign lamp board, and make the junction-box connections per the wiring diagrams. Secure the EXIT canopy to the steel mounting plate using the screws provided and fasten to the junction box. Connect the battery only after continuous AC power can be provided, remove the proper chevron(s) as required, and secure the face plate(s) to the housing.

LAMP HEADS

Ensure the blue and yellow lamp-head wires are routed through the side lamp-head mounting holes (Fig 1). Attach the lamp head to the housing by aligning the tabs on the lamp-head assembly with the lamp-head mounting slots on the housing frame (Fig 2), then gently push the lamp head down toward the bottom of the housing to lock it into place — an audible click should be heard. Repeat to install the second lamp head (wall and ceiling mounts use two heads; end mount uses one).

“Engineered for the spaces it protects.”

VIS

Wiring & System Test

Installation Instructions

Model VIS

B) WIRING & SYSTEM TEST

1. Wiring — power input leads at the junction box: RED = 277 VAC line · BLACK = 120 VAC line · WHITE = common. Any unused input lead must be properly insulated with a wire nut or other approved method. Each lamp head connects on a YELLOW (+) / BLUE (-) pair to the red/green-switchable LED board; the battery connects on RED / BLACK leads; the board carries the GREEN↔RED DIP switch. Remote-capable units add a second YELLOW (+) / BLUE (-) pair running to the remote lamp.
2. Red-to-Green conversion — remove the face plate(s) from the unit's housing; gently pop out the red diffuser lens from the face plate(s) and replace the green diffuser lens onto the face plate(s); toggle the DIP switch from R to G on the switchable LED board; replace the face plate(s) on the housing to finish.
3. Single-to-Double face conversion — remove the face plate from the unit's housing; remove the back plate by pushing out the two locking clips on the inside of the housing; attach the two EXIT face plates to the housing to complete the conversion.
4. Operation — apply AC power to the unit; the LED indicator will be RED. After the battery has been left to charge for 24 hours, test the unit by pushing the switch: the LED indicator turns OFF, the LED board stays ON and the lamp heads should turn ON. When the switch is released, the LED indicator turns back to RED, the LED board stays ON and the lamp heads should turn OFF.
5. Maintenance — always turn off AC power to the equipment before servicing; servicing should be performed only by a qualified service technician, using only manufacturer-supplied replacement parts. The battery supplied with the battery-backup model requires no maintenance; it should be tested periodically 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 years when used in a normal ambient temperature of 72 °F. When re-lamping, use only LED lamps specified for the fixture — other lamp types may result in damage or unsafe conditions.
6. Self-diagnostic testing (SDT option) — per the published self-diagnostic test instructions: once the unit is properly installed and AC power is supplied, the dual-color LED indicator initiates the self-diagnostic function automatically (factory preset, no field adjustment). Automatic tests: on-line real-time monitoring of battery, lamps and LEDs (identifying battery charging, disconnection and failure along with LED failures); a 30-second discharge test every 30 days (conforming to NFPA code requirements); a 30-minute discharge every 180 days; and a 90-minute discharge every 365 days — each after AC power has been supplied for a minimum of 24 hours. Indicator: STEADY GREEN = normal · BLINKING GREEN = testing · GREEN/RED FLASHING = battery recharging · STEADY RED = battery disconnected · FLASHING RED = battery recharge failure (battery not able to recharge within the 24-hour charging time) · RED blinking 2 times = battery failure (battery not able to operate the LED strip for the period of a discharge test) · RED blinking 3 times = LED failure · indicator OFF = unit in emergency mode. Manual tests by test-button pattern: press once (within 2 s) = 30-second test, FLASHING green · press 2 times = 30-minute test, green blinks 2 times · press 3 times = 90-minute test, green blinks 3 times · press and hold 3-5 s = system interruption · press and hold more than 6 s = system reset. During an electrical power failure the sign transfers into emergency mode and stays lit for a minimum of 90 minutes; after a manual test the sign switches back to AC-ON mode after the 30-second / 30-minute / 90-minute period respectively.

SAVE THESE INSTRUCTIONS

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