

ONY

Mounting & Assembly

Installation Instructions

For use with Sage central-battery emergency lighting

IMPORTANT SAFEGUARDS — READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Disconnect AC power before servicing.
2. Refer to the wiring diagram for proper connections.
3. All servicing should be performed by qualified personnel.
4. Consult your local building code for approved wiring and installation.
5. Do not use outdoors.
6. Do not use this equipment for other than its intended use.
7. Do not let power cords touch hot surfaces.
8. Mount and secure the fixture at a location and height that avoids ready access and tampering by unauthorized persons.
9. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

A) MOUNTING & ASSEMBLY

SEMI-RECESSED (STANDARD)

Install a standard 4" x 4" x 2 1/8" deep J-box (by others) — BB & AC together with a 1 1/2" extension ring — so the housing recesses into the box and the lens projects 2" from the wall face. BB: AC input wiring may be routed through the five knock-out locations in the lower J-box; trim the input wiring to length and shape per the figure — 7" maximum inside the box, with a sharp bend to the right.

SURFACE MOUNT — J-BOX TRIM (OPTION ST, RE & AC)

Install a pull-through J-box near the fixture location and run the branch circuit IN/OUT as required (AC: 120/277 VAC · RE: 24 VDC, #10–18 AWG, maximum 20 ft from the pull-through to the fixture). Remove the center-position knock-out from the standard 4" x 4" x 2 1/8" deep J-box as required to fit conduit and mount the J-box to the wall securely using screw anchors. Install conduit (1/2" or 3/4", by others) and route the fixture-loop conductors (minimum #18 AWG) into the fixture J-box; place the trim over the J-box and connect the fixture loop to the base-plate power-supply leads with standard wire nuts.

HOUSING & LENS ASSEMBLY

The fixture is supplied assembled — to separate the housing and base, remove the lock screw at the top of the housing (#6-32 on AC & RE · #4-40 on BB) and move the housing up and out to release the pins. After wiring, mount the base-plate assembly to the J-box flush to the wall (two #8-32 screws), connect the polarized lamp plugs (2 or 3, per the housing), locate the housing side pins in the base slots with a downward motion, and secure the housing lock screw.

“Engineered for the spaces it protects.”

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Wiring & System Test

Installation Instructions

Model ONY

B) WIRING & SYSTEM TEST

1. AC models — connect the AC input leads from the fixture to the 120/277 VAC supply with standard wire nuts: BROWN = line (120/277 VAC) · BLUE = neutral · GREEN = ground. Route the ground wire around one of the base-mount screws (ground screw to the J-box).
2. BB models — make the AC connections to the base-plate assembly with standard wire nuts: BLACK = 120/277 VAC universal input · WHITE = neutral · GREEN = ground (terminal on the bracket) · BLK/WHT = 120/277 V switch leg where the security-lighting control option is supplied (the control switch makes for security ON, breaks for OFF; control input 120/277 VAC universal; the L–N input stays un-switched). Connect the polarized battery plug, install the base-plate assembly into the J-box, route the AC wiring and wire nuts into the space above the battery, then connect the polarized plugs for the test panel and LED lamps. NOTE: if AC building power is not supplied, the fixture operates in emergency mode — to minimize battery discharge, turn AC power on when the wiring connections are complete.
3. RE models — trim leads as required and connect the color-matched 24 VDC input/output wiring from the central-battery branch circuit with standard wire nuts: BLACK = common (–) · RED = emergency (+24 V) · BLUE = normal-on lighting (+24 V) · YELLOW = exit / CDO (+12/24 V). The fixture loop connects BLACK, RED and BLUE; YELLOW carries through with the branch circuit. Cap off the BLUE lead from the power converter if security / night lighting is not supplied or required. The IN/OUT circuits allow daisy-chaining to the next fixture on the branch.
4. Apply power and check lamp operation. BB models: verify the LED status light shows GREEN or ORANGE, then press PUSH TO TEST (3 seconds) for a one-minute emergency-mode lamp test — the dual-color LED display reads: GREEN ON = normal full charge · ORANGE ON = normal fast charge · RED FLASH FAST = failed battery · GREEN FLASH = failed lamp · ORANGE FLASH = failed transfer · RED FLASH SLOW = failed charger.
5. BB models self-test automatically once AC power is supplied — verifying battery disconnection, charger failure, and load failure: a one-minute battery-discharge test monthly and a 90-minute test annually (full operation of the emergency load, in compliance with NFPA Life Safety Code 101); periodic tests run from the time the system is first activated on AC power. Where the no-automatic-test option is supplied (designated on the model-number label), automatic testing is disabled and the annual test must be activated manually. Emergency operation may also be checked by interrupting AC power to the fixture (qualified personnel).
6. RE models energize from the Sage central battery and are verified as part of the central-battery system test — see the central battery's installation guide for the initial system test and load-datum procedure.

SAVE THESE INSTRUCTIONS

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