

SR03

Mounting & Wiring

Installation Instructions

For use with Sage central-battery emergency lighting

A) MOUNTING METHODS

IN-FIXTURE MOUNT

Install the relay within the fixture's fire and electrical enclosure (a UL condition of acceptability). Standard installation seats the relay inside the enclosure; the FL option adds a flange for screw mounting.

B) WIRING & SYSTEM TEST

1. Disconnect power before installation. All wiring per NEC and local code; the emergency input from the Sage central battery is 24 VDC, Class 2.
2. Connect the 120/277 VAC LINE IN/OUT conductors — the relay passes normal power through to the fixture's driver.
3. Connect the 24 VDC EMERGENCY INPUT from the central-battery branch circuit — observe polarity. Input range 18–32 V; under-voltage protection turns the output off at 18 V and recovers at 20 V (2.1 A maximum at 24 V).
4. Connect the EMERGENCY OUTPUT to the LED array: standard units drive a single channel; CHX units drive one channel per installed normal driver (1–4). Output is constant-current, factory-set — automatic output-voltage sensing across the ordered range. If the LED array includes current-regulation circuits, confirm compatibility with Sage before installation.
5. Restore power and verify: normal operation passes line power through; on loss of normal power the relay drives the array at the factory-set emergency output for a minimum of 90 minutes. Illumination on the path of egress must exceed 1 footcandle at 7' 3" (UL condition).
6. The relay participates in the central-battery system test — see the central battery's installation guide for the initial system test and load-datum procedure.

SAVE THESE INSTRUCTIONS

“Engineered for the spaces it protects.”