· TYPE _____ · DATE _____ · PROJECT _____

# Relay

Integrate the fixtures you already spec.

**RLY**

Emergency Lighting Control · six relays

## SUGGESTED SPECIFICATION

Supply and install the Sage Relay (an Emergency Lighting Control) — part of the Sage Central Battery System. On loss of normal power to the host luminaire, the Relay shall operate the fixture in emergency mode for a minimum of 90 minutes, driving the fixture from the Sage Central Battery Cabinet over the low-voltage DC system, independent of the fixture's own LED driver — so a driver failure never dark-outs the path of egress. The specified luminaire is retained and upgraded in place — integrate, don't replace. The Relay is controls-agnostic, compatible with any dimming and lighting control, and does not affect normal lighting operation. The exact relay is Sage Design-selected and factory-set to the host fixture by load, voltage, and form factor. 10-year warranty on the Relay (Central Battery Cabinet / Local Circuit Monitor units are 5-year).

## ELECTRICAL SPECIFICATIONS

Driver current is settable at the factory to produce the output voltage and power ranges given below in the Relay Specifications table. Emergency power output (EPR) is adjustable through the range given below. Maximum available EPR is a function of the operating voltage of the luminaire's LED array. Power should be specified to ensure illumination on the path of egress complies with NFPA 101 Life Safety Code, based on photometric data and efficacy for the fixture in use. To determine compatibility of Sage Relay devices and the output power required for specific applications, see the Sage Relay Specification Guide.

## RELAY SPECIFICATIONS

| Relay | Application | Normal Load | Output V | Emergency Output | Channels | Mount | BAA | Listing |
|---|---|---|---|---|---|---|---|---|
| **1** | Standard | 10-70 W+ | to 41 V | 5-22 W | Single | In-fixture | Yes | UL 924 Listed |
| **2** | Standard | 10-70 W+ | to 54 V | 5-20 W | Single | In-fixture | Yes | UL 924 Listed |
| **3** | Standard | 10-70 W+ | to 54 V | 5-20 W | Single | External J-box | Yes | UL 924 Listed |
| **4** | High-Bay | 30-300 W+ | 21-126 V | 5-45 W | Up to 4 | In-fixture | Yes | UL Recognized + Intertek |
| **5** | Standard | 10-70 W+ | to 100 V | 5-22 W | Single | In-fixture | — | UL 924 Listed |
| **6** | High-Bay | 50-400 W+ | to 210 V | 15-60 W | Up to 4 | In-fixture | — | UL 924 Listed |

*The six relays are available and overlap by design — more than one suits a given luminaire. The specifier names the application (Standard /High-Bay) and the BAA requirement; Sage Design selects and sizes the optimal relay by load, voltage, and form factor. The fixtures are covered — and where a project calls for something beyond the six, there is a solution for that too.*
*Output voltage is auto-sensed; emergency output is factory-adjustable; values per relay as listed by the manufacturer.*

## COMMON SPECIFICATIONS

**Input** 24 VDC · optional DC models

**Operating temperature**

Standard: Max ambient (Ta) 65 °C · max case (Tc) 80 °C
High-Bay: Max ambient (Ta) 65 °C · max case (Tc) 85 °C

## BUY AMERICA

Relays 1–4 are Buy American Act (BAA) and Build America, Buy America (BABA) compliant. Relays 5–6 are offered for projects outside the federal Buy-America requirement.

## LISTINGS

- **UL 924 Listed** — Relay 1, 2, 3, 5, 6
- **UL Recognized + Intertek** — Relay 4

*Per relay, exactly as listed by the manufacturer.*

## ORDERING INFORMATION

| Series | Relays | Selection |
|---|---|---|
| **RLY** | RLY-1 … RLY-6 · six relays | By application + host fixture |

***Specify: the application (Standard /High-Bay) and BAA requirement; Sage Design selects the exact relay.***

## UL CONDITIONS OF ACCEPTABILITY

Wiring must be installed within a Fire and Electrical Enclosure and light output must exceed 1 foot-candle at 7′3″ from the sample.

*NOTE: All specifications measured at 25° C.*
*NOTE: If LED arrays include current-regulation circuits, contact the factory to confirm Sage Relay compatibility.*