

TYPE \_\_\_\_\_ · DATE \_\_\_\_\_ · PROJECT \_\_\_\_\_

# SR7

Sage Relay — High-Bay (Multi-Channel)

## Emergency Lighting Relay

For use with Sage central-battery systems

### SUGGESTED SPECIFICATION

Supply and install Sage Relay Series SR (Type SR7) which shall be capable of operating an LED general-lighting fixture in emergency mode for a minimum of 90 minutes following failure of the normal power supply to the fixture, when connected to a Sage DC central-battery system.

### ELECTRICAL SPECIFICATIONS

Driver current is settable at the factory to produce the output voltage and power ranges given below in Table 1. 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.

### TEMPERATURE

|                               |                |
|-------------------------------|----------------|
| Operating Temperature         | -35° to +65° C |
| Max. Ambient Temperature (Ta) | 65° C          |
| Max. Case Temperature (Tc)    | 85° C          |

### TABLE 1 — OUTPUT VOLTAGE & CURRENT

| Option   | Output Voltage (VDC) | Output Current (mA) | Max. Emergency Power (W) |
|----------|----------------------|---------------------|--------------------------|
| Standard | 32–54                | 100–1050            | 60                       |
| V1       | 60–210               | 100–290             | 60                       |

1. Automatic output-voltage sensing.
2. Output current is factory adjustable.
3. Maximum EPR is a function of the operating voltage of the luminaire LED array. See the Sage Relay Specification Guide to estimate the value required.

**Constant-current output**

### ORDERING INFORMATION

| Series | Watts   | Option | Description                        |
|--------|---------|--------|------------------------------------|
| SR7    | X Watts | V1     | 60–210 VDC · 100–290 mA            |
|        |         | CHX    | X channels (X = drivers installed) |
|        |         | HV     | 347 / 480 VAC input                |

**Ordering Example: SR7-30-V1**

<sup>1</sup> Based on the lumen output required. Emergency output: max power 60 W.

### 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: Output current is factory adjustable.*

*NOTE: If LED arrays include current-regulation circuits, contact the factory to confirm Sage Relay compatibility.*

*“Engineered for the spaces it protects.”*