

DUAL LITE

SEMPRA™ SC Series

Cast aluminum exit signs for severe condition applications featuring easy installation and energy-saving, long-life LED lamps



Patent Pending



An

ULTREX
Severe Conditions Product



Damp



Cold



Hot



Vandal-Tampering

LIFETIME WARRANTY ON ALL SPECTRON MODELS

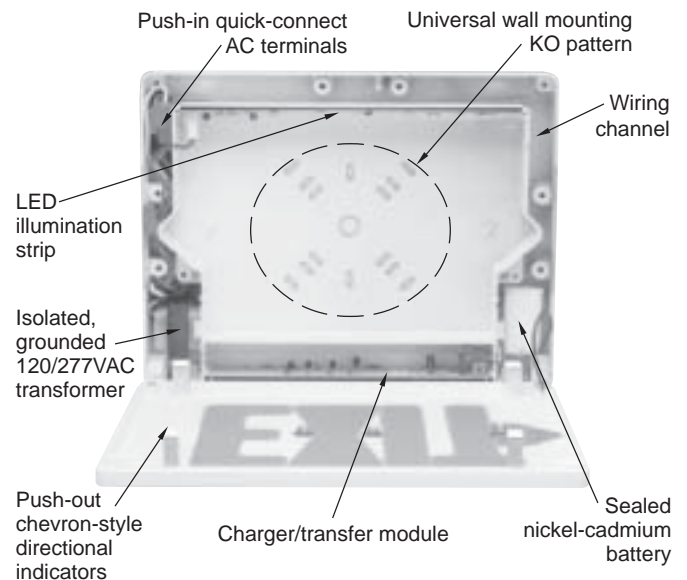
Features

All Models

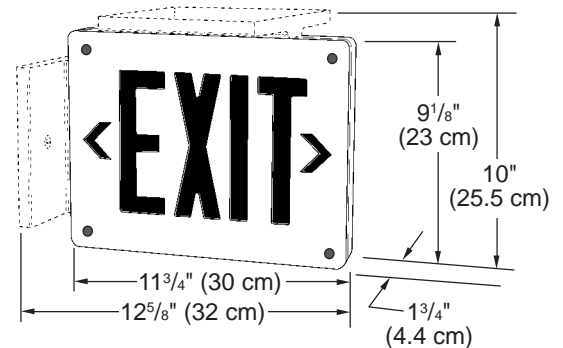
- High-strength cast aluminum construction
- Polycarbonate face shield and tamper resistant screws supplied standard
- Compact, low-profile style
- Easy to install
- Bright, even illumination
- Red and green letters
- Long-life LED lamps provide over 20 years of service
- Energy-saving operation
- Single and double face models
- White, white with brushed aluminum face, black and black with brushed aluminum face finishes offered
- Push-in wiring connectors provided
- End, ceiling or wall mounting
- Break-out chevron directional arrows
- 120/277VAC, 60 Hz operation
- UL Listed for damp location operation
- Operating Temperature Ranges:
 - AC models: -20°C to 50°C (-4°F to 122°F)
 - Emergency models: 0°C to 40°C (32°F to 104°F)
 - Emergency models with -XTR option: -20°C to 50°C (-4°F to 122°F)

Emergency Models

- Fully automatic, solid-state charger
- All emergency components mount inside exit housing
- Maintenance-free, nickel-cadmium battery
- Operates for a minimum of 90 minutes
- Automatic battery protection
- Test switch and AC-On indicator
- Models available with Spectron self-testing/self-diagnostic electronics
- UL 924 Listed



Dimensions



Hubbell Lighting, Inc.

Specifications

SEMPRA™ SC Series

Cast Aluminum LED Exit Signs

Construction

Sign: Housing, exit face(s) and matching canopy constructed of high-strength cast aluminum

Sign Finish: Textured white, white with brushed aluminum face, black or black with brushed aluminum face

Diffuser Finish: Frequency-matched silkscreened coating provides optimized LED light output

Exit Face Design

Letters: 6" letters, 3/4" stroke

Directional Arrows: Break-out chevron type

Illumination

All Models: 4 red or 4 green high-output LEDs

Rated lamp life: In excess of 20 years

Brightness Index: Exceeds UL requirements

Illumination Uniformity: Exceeds UL requirements

Installation

Mounting: Sign mounts to 3 1/2", 4" octagon, or 4" square outlet boxes and standard plaster rings.

Wall Installations: Exit housing provides a knockout pattern for mounting to outlet box.

Ceiling or End Installations: Mounting canopy provided with all models. Canopy mounts to outlet boxes by means of universal mounting plate supplied. Exit housing mounts to canopy bracket

Wiring: Pre-stripped AC input pigtail leads provided. Push-in wire connectors supplied for making AC connections. All wiring dresses into formed wireways in exit housing.

Electronics

Input: 120/277VAC, 60 Hz (all models)

Built-in Protection: Surge, transient and low-battery voltage

Emergency Operation Module (Internally Mounted)

Charger: Solid-state, constant current type

Transfer: Solid-state design

Battery Recharge Cycle: Per UL time standards

Test Means: Integral test switch

Indicators: AC-On LED indicator

Operating Temperature Ranges:

AC models: -20° to 50°C (-4°F to 122°F)

Emergency models: 0° to 40°C (32°F to 104°F)

Emergency models with -XTR option: -20° to 50°C (-4°F to 122°F)

Battery Type: Maintenance-free nickel-cadmium

Power Consumption*

| | 120VAC | 277VAC |
|-------------------------|-----------|-----------|
| Red AC Only Models: | 2.6 watts | 2.6 watts |
| Green AC Only Models: | 2.1 watts | 2.1 watts |
| Red Emergency Models: | 3.8 watts | 3.8 watts |
| Green Emergency Models: | 3.5 watts | 3.5 watts |

* Wattage figures include LED lamps, transformer and electronics power requirements.

LED lamp assemblies (red or green) consume less than 1 watt.

Power factor, average: .8 (lagging)

Product Selector (Single Face Models)

| AC Model Numbers | Emergency Model Numbers | Spectron* Model Numbers | Colors | | |
|------------------|-------------------------|-------------------------|--------------|---------|-----------------|
| | | | Exit Letters | Housing | Stencil Face(s) |
| SCSRW | SCSRWE | SCSRWEI | Red | White | White |
| SCSGW | SCSGWE | SCSGWEI | Green | White | White |
| SCSRWN | SCSRWNE | SCSRWNEI | Red | White | Brushed |
| SCSGWN | SCSGWNE | SCSGWNEI | Green | White | Brushed |
| SCSRB | SCSRBE | SCSRBEI | Red | Black | Black |
| SCSGB | SCSGBE | SCSGBEI | Green | Black | Black |
| SCSRBN | SCSRBNE | SCSRBNEI | Red | Black | Brushed |
| SCSGBN | SCSGBNE | SCSGBNEI | Green | Black | Brushed |

Product Selector (Double Face Models)

| AC Model Numbers | Emergency Model Numbers | Spectron* Model Numbers | Colors | | |
|------------------|-------------------------|-------------------------|--------------|---------|-----------------|
| | | | Exit Letters | Housing | Stencil Face(s) |
| SCDRW | SCDRWE | SCDRWEI | Red | White | White |
| SCDGW | SCDGWE | SCDGWEI | Green | White | White |
| SCDRWN | SCDRWNE | SCDRWNEI | Red | White | Brushed |
| SCDGWN | SCDGWNE | SCDGWNEI | Green | White | Brushed |
| SCDRB | SCDRBE | SCDRBEI | Red | Black | Black |
| SCDGB | SCDGBE | SCDGBEI | Green | Black | Black |
| SCDRBN | SCDRBNE | SCDRBNEI | Red | Black | Brushed |
| SCDGBN | SCDGBNE | SCDGBNEI | Green | Black | Brushed |

* For complete information on the Spectron self-testing/self-diagnostic electronics system, refer to data sheet 0601471.

Options and Accessory Items

| Descriptions | Factory Equipped Add Suffix To Model | Field Conversion Kit Order Part Number |
|---|--------------------------------------|--|
| Remote DC operation ⁽¹⁾⁽⁵⁾⁽⁶⁾ | -DC | — |
| 2-circuit operation ⁽¹⁾⁽⁶⁾ | -2C | — |
| Extreme temperature option ⁽²⁾⁽³⁾ | -XTR | — |
| Fire alarm panel interface ⁽⁴⁾⁽⁶⁾ | -FAP | — |
| 2-circuit fire alarm panel interface ⁽¹⁾⁽⁴⁾⁽⁶⁾ | -2CFAP | — |
| Extreme temperature fire alarm panel interface ⁽²⁾⁽³⁾⁽⁶⁾ | -XTRFAP | — |
| Flasher module ⁽²⁾⁽³⁾⁽⁶⁾ | -FM | — |
| Audible/Flasher module ⁽²⁾⁽³⁾⁽⁶⁾ | -AF | — |
| 220/240 VAC, 60 Hz operation | -24K | — |
| Pendant mounting kit (white) | — | PMCW |
| Pendant mounting kit (black) | — | PMCB |
| Wire guard (Wall mount) | — | WGLX |
| Wire guard (Ceiling mount) | — | WGLXC |
| Wire guard (End mount) | — | WGLXE |

(1) For use with AC models only.

(2) For use with emergency models only.

(3) Not for use with Spectron models.

(4) Operates with 24-volt AC or DC fire alarm panels.

(5) For emergency illumination of sign from remote 6-24 VDC power sources.

(6) -DC, -2C, -FAP, -2CFAP, XTRFAP, -FM, -AF options may not be specified together.

Compliances

UL 924 (exceeds brightness and uniformity requirements and meets 2001 directional indicator specifications)

UL 924 Damp Location Listing

NFPA-101

EPA/DOE EnergyStar® compliant

Warranty

Spectron Self-Testing/Self Diagnostic Sempra Models Electronics, LED Illumination Strip and Battery: Lifetime

All Other Sempra Models

LED Illumination Strip: Lifetime

Unit and Electronics: 5 years full

Battery: 1 year full, 9 years pro-rata (10 years total)

This warranty only applies when the product is used as intended. Any abuse or misuse contrary to normal installation or operation shall void this warranty.

Suggested Specification

Exit sign construction will be high-strength cast aluminum in textured (white)(white with brushed face)(black)(black with brushed face) finish. All Sempra SC Series models will include a polycarbonate shield for the exit face held in place by four tamper resistant screws for additional vandal protection. Exit face will provide 6" high letters with 3/4" stroke and break-out chevron type directional arrows. Exit sign design will allow universal 120/277VAC, 60 Hz operation. Normal illumination will be provided by 4 red or green high-output LEDs consuming less than 1 watt at 120 or 277VAC. Normal LED lamp life will be in excess of 20 years. Exit letters will exceed the lumen output and illumination uniformity required by UL specifications. Exits will be (single face) (double face) and provided with all necessary components for wall, ceiling or end mounting applications. Mounting canopies will be provided with all models and will be of identical construction and color to match the exit frame. Exits will be designed to mount to 3 1/2" or 4" octagon and 4" square electrical boxes or standard plaster rings. Emergency exit models will be achieved through a factory installed fully automatic emergency operation module. All emergency module components will mount inside the exit housing and will include a solid-state, constant current type battery charger; a maintenance-free, nickel-cadmium battery; an AC-On indicator light; and a test switch. The unit charger will be capable of recharging the battery within acceptable UL time standards. The emergency operation module must be capable of providing a minimum of 90 minutes of emergency operation. Exit signs must comply with all UL 924, UL 924 Damp Listing and NFPA 101 Life Safety Code requirements. Optional equipment will include:

Dimensions to be 9 1/8" (23 cm) high x 11 3/4" (30 cm) wide by 1 1/8" (4.4 cm) deep.