DUAL LITE

Sempra® Recessed Series
Decorative, low profile cast aluminum LED Exit Signs designed for fast, easy recessed installation.

LIFETIME WARRANTY ON ALL SPECTRON® MODELS

Features

All Models

- High-strength cast aluminum construction
- Compact, low-profile style
- Two-part design includes exit and rough-in back box
- Fast, easy installation
- Bright, even illumination
- Red and green letters
- Rigid, high-impact acrylic letter panel
- Long-life LED lamps provide over 20 years of service
- Energy-saving operation
- White, white with brushed aluminum face, black and black with brushed aluminum face finishes offered
- Plug-together connectors facilitate installation
- Break-out chevron directional arrows
- 120/277VAC, 60 Hz operation
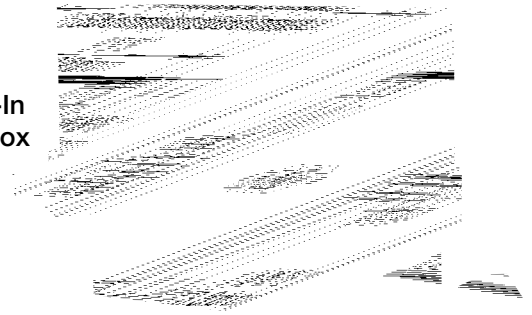- Temperature range: 20°C to 30°C (68°F to 86°F)

Emergency Models

- Fully automatic, solid-state charger
- All emergency components mount inside recessed back box
- Maintenance-free, nickel-cadmium battery
- Two hour emergency operation
- Automatic battery protection
- Test switch
- AC-On indicator
- Models available with Spectron self-testing/ self-diagnostic electronics
- Self-Test Spectron meets NFPA 101 paragraph 7-9.3 Exception
- UL 924 Listed

Dimensions

Rough-In Back Box

12³⁄₈"
31.4 cm

9¹⁄₂"
24 cm

⁵⁄₈"
1.6 cm

HUBBELL®

Hubbell Lighting, Inc.

Construction
Rough-In Back Box: Recessed mounting box constructed of 18 gauge galvanized steel
Sign: Exit housing constructed of high-strength cast aluminum
Sign Finish: Textured white, white with brushed aluminum face, black or black with brushed aluminum face
Diffuser: 1/4" rigid acrylic plaque provides high impact resistance

Exit Face Design
Letters: 6" letters, 3/4" stroke
Directional Arrows: Break-out chevron type

Illumination
All models: 6 red or green high-output LEDs
Rated lamp life: In excess of 20 years
Brightness Index: Exceeds UL requirements
Illumination Uniformity: Exceeds UL requirements

Installation
Installation: Universal rough-in back box is designed to accommodate recessed installation of all models. Back box installs by means of an adjustable mounting bar assembly which attaches directly to wall framing members. Exit housing attaches directly to rough-in box assembly by means of four machine screws.
Electrical Connections: All internal DC wiring connections are made using mating plug-in connectors for ease of installation

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 range: 20°C to 30°C (68°F to 86°F)

Battery Type: Maintenance-free nickel-cadmium (emergency models)

Product Selector (Single Face Models)

AC Model Numbers	Emergency Model Numbers	Colors		
		Exit Letters	Housing	Stencil Face(s)
SERSRW	SERSRWE	Red	White	White
SERSGW	SERSGWE	Green	White	White
SERSRWN	SERSRWNE	Red	White	Brushed
SERSGWN	SERSGWNE	Green	White	Brushed
SERSRB	SERSRBE	Red	Black	Black
SERSGB	SERSGBE	Green	Black	Black
SERSRBN	SERSRBNE	Red	Black	Brushed
SERSGBN	SERSGBNE	Green	Black	Brushed

Options and Accessory Items

Descriptions	Factory Equipped Add Suffix To Model	Field Kit Order Part Number
Spectron self-testing/self-diagnostic option	I	—
Remote DC operation(1)(4)(5)	-DC	—
2-circuit operation(1)(5)	-2C	—
Fire alarm panel interface(3)(5)	-FAP	—
Flasher module(2)(5)	-FM	—
Audible/Flasher module(2)(5)	-AF	—
Vandal/tamper resistant option(6)	-VTR	—
Sign assembly less rough-in back box(7)	-LRBB	—
Rough-In back box kit(7)	—	RBB
Wire Guard	—	WGLX
Wire Guard	—	WG-MLT

(1) For use with AC models only.
(2) For use with emergency models only.
(3) Operates with 24-volt AC or DC fire alarm panels.
(4) For emergency illumination of sign from remote 6-24 VDC power sources.
(5) -DC, -2C, -FAP, -FM, -AF options may not be specified together.
(6) Provides polycarbonate face shield and tamper-proof screws. Meets UL listing requirements for floor proximity use.
(7) Allows ordering of rough-in back box separately for installation prior to sign shipment. Add -LRBB suffix to exit model number if RBB accessory is ordered separately.

Compliances
UL 924
NFPA-101

Warranty

Spectron Self-Testing/Self Diagnostic Sempra Models
Electronics 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 full)

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.

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)

Suggested Specification
Exit sign rough-in back box shall be constructed of 18 gauge galvanized steel and shall mount to wall studs by means of an adjustable bar assembly. Recessed exit sign construction will be high-strength cast aluminum in textured (white)(white with brushed face)(black)(black with brushed face) finish. Exit faces 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 AC illumination will be provided by 6 red or green high-output LEDs consuming less than 1 watt. Normal LED lamp life will be in excess of 20 years in all models. Exit letters will exceed the lumen output and illumination uniformity required by UL specifications. Exits will be provided with all necessary components for recessed wall mounting applications. All exits will be designed to mount to rough-in back box assembly (provided) by means of four machine screws. Emergency exit models will provide a factory installed fully automatic emergency module. All emergency module components will mount inside the rough-in box assembly 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. If so equipped, self-testing/self-diagnostic Spectron emergency models will be capable of detecting malfunctions of the unit charger, battery, transfer circuit or lamps. An external visual indication will be provided in the event of any detected malfunction. The Spectron module will automatically perform monthly diagnostic/discharge test cycles to check unit readiness. The unit charger will be capable of recharging the battery within acceptable UL time standards. The emergency operation module must be capable of providing up to 120 minutes of emergency operation. Exit signs must comply with all UL 924 and NFPA 101 Life Safety Code requirements. Optional equipment will include:_____
Sign Dimensions to be 9 1/2" (24 cm) high x 12 3/8" (31.4 cm) wide by 5/8" (1.6 cm) deep.

Sempra Exit shown attached to recessed back box assembly.