

DUAL LITE

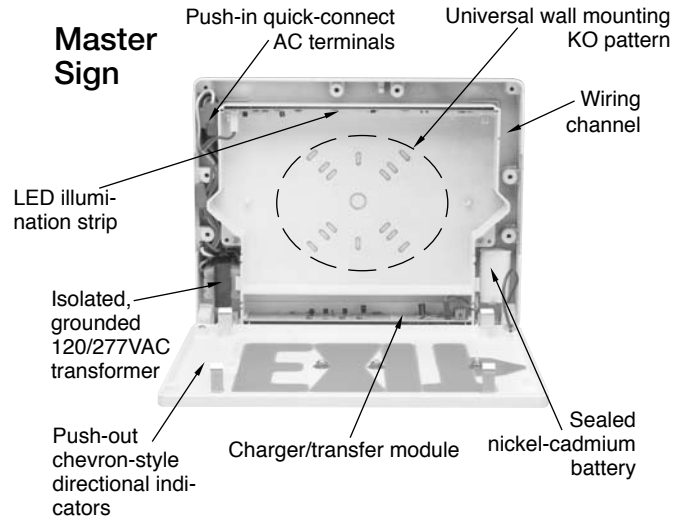


# SEMPRA® MR Series

Compact, low-profile Master/Remote exit sign sets featuring cast aluminum construction, easy installation and energy-saving, long-life LED lamps

Catalog Number	
Comments	Type

## LIFETIME WARRANTY ON ALL SPECTRON MODELS



### Features

#### All Models

- High-strength cast aluminum construction
- 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
- White, white with brushed aluminum face, black and black with brushed aluminum face finishes offered
- Break-out chevron directional arrows
- 120/277VAC, 60 Hz operation
- Wide range of options including vandal/tamper-proof
- Temperature range: 20°C to 30°C (68°F to 86°F)

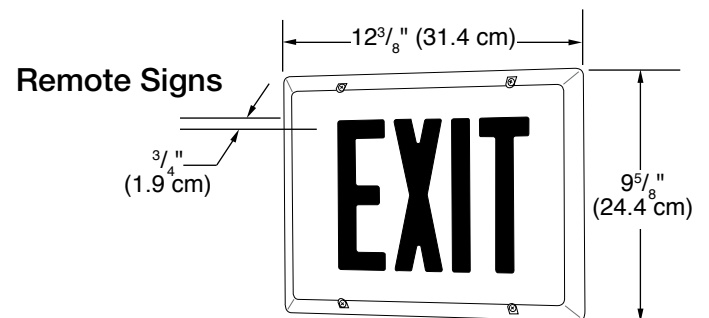
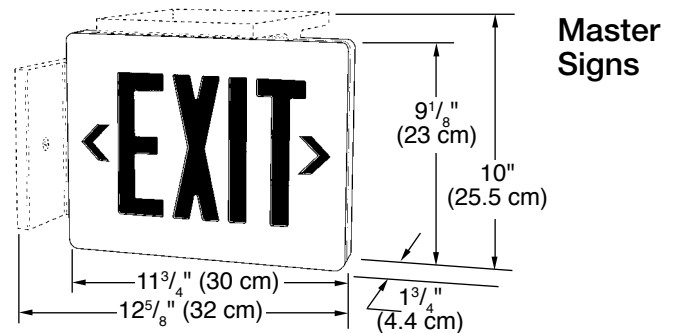
#### Master Signs

- Single and double face models
- End, ceiling or wall mounting
- Push-in wiring connectors provided
- 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

#### Remote Signs

- Beveled, low-profile design meets ADA requirements
- Easy installation, mounts to standard electrical boxes
- -VTR acrylic shield option provides enhanced damage resistance and meets UL Listing requirements for floor proximity use

### Dimensions



Hubbell Lighting, Inc.

**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**

Master signs: 4 red or green high-output LEDs  
 Remote signs: 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**

Mounting: Master and Remote signs mount to 3 1/2", 4" octagon, or 4" square outlet boxes and standard plaster rings.  
 Wall Installations: Master and Remote exit housings provide a knockout pattern for mounting to standard outlet boxes.  
 Ceiling or End Installations (Master exits only): Mounting canopy provided with all Master models. Canopy mounts to outlet boxes by means of universal mounting plate supplied. Exit housing mounts to canopy bracket  
 Wiring - Master Exits: 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.  
 Wiring - Remote Exits: Interconnecting wiring consists of three- 18 gauge (min.) AC conductors (up to 20 feet from Master sign) supplied by installer.

**Electronics (Master Exits)**

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 (Master Exits):** Maintenance-free nickel-cadmium

**Compliances**

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

**Suggested Specification**

Master and Remote 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 Master sign illumination will be provided by 4 red or green high-output LEDs consuming less than 1 watt at 120 or 277VAC. Normal Remote sign 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. Master 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 Master models and will be of identical construction and color to match the exit frame. All exits will be designed to mount to 3 1/2" or 4" octagon and 4" square electrical boxes or standard plaster rings. Master exit models will provide a factory installed fully automatic emergency operation module. All emergency module components will mount inside the Master 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 for both the Master and Remote signs. Exit signs must comply with all UL 924 and NFPA 101 Life Safety Code requirements. Optional equipment will include:  
 Master Sign Dimensions to be 9 1/8" (23 cm) high x 11 3/4" (30 cm) wide by 1 3/4" (4.4 cm) deep.  
 Remote Sign Dimensions to be 9 5/8" (24.4 cm) high x 12 3/8" (31.4 cm) wide by 3/4" (1.9 cm) deep.

**Product Selector (Single Face Models)**

AC Model Numbers	Emergency Model Numbers	Colors		
		Exit Letters	Housing	Stencil Face(s)
SEMRSRW	SEMRSRWE	Red	White	White
SEMRSRW	SEMRSRWE	Green	White	White
SEMRSRW	SEMRSRWE	Red	White	Brushed
SEMRSRW	SEMRSRWE	Green	White	Brushed
SEMRSRB	SEMRSRBE	Red	Black	Black
SEMRSRB	SEMRSRBE	Green	Black	Black
SEMRSRBN	SEMRSRBNE	Red	Black	Brushed
SEMRSRBN	SEMRSRBNE	Green	Black	Brushed

**Product Selector (Double Face Models)**

AC Model Numbers	Emergency Model Numbers	Colors		
		Exit Letters	Housing	Stencil Face(s)
SEMRRW	SEMRRWE	Red	White	White
SEMRRW	SEMRRWE	Green	White	White
SEMRRW	SEMRRWE	Red	White	Brushed
SEMRRW	SEMRRWE	Green	White	Brushed
SEMRRB	SEMRRBE	Red	Black	Black
SEMRRB	SEMRRBE	Green	Black	Black
SEMRRBN	SEMRRBNE	Red	Black	Brushed
SEMRRBN	SEMRRBNE	Green	Black	Brushed

**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)

**Options and Accessory Items**

Descriptions	Factory Equipped Add Suffix To Model	Field Conversion Kit Order Part Number
Spectron self-testing/self-diagnostic option	I	—
Remote DC operation <sup>(1)(4)(5)</sup>	-DC	—
2-circuit operation <sup>(1)(5)</sup>	-2C	—
Fire alarm panel interface <sup>(3)(5)</sup>	-FAP	—
Flasher module <sup>(2)(5)</sup>	-FM	—
Audible/Flasher module <sup>(2)(5)</sup>	-AF	—
220/240 VAC, 60 Hz. operation	-24K	—
Vandal/tamper resistant option <sup>(6)</sup>	-VTR	—
Pendant mounting kit (white) <sup>(7)</sup>	—	PMCW
Pendant mounting kit (black) <sup>(7)</sup>	—	PMCB
Wire guard (Wall mount) <sup>(7)</sup>	—	WGLX
Wire guard (Wall mount) <sup>(7)</sup>	—	WG-MLT
Wire guard (Ceiling mount) <sup>(7)</sup>	—	WGLXC
Wire guard (End mount) <sup>(7)</sup>	—	WGLXE

(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) For use with Master exit signs only.