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# SpectrAlert™ SP2 Series Wall Speaker/Strobes

Section: Audio-Visual Devices

## GENERAL

System Sensor's SpectrAlert™ SP2 Wall Speaker/Strobes combine leading-edge strobe and speaker technologies with a user-friendly, uniquely styled design.

**Technology** — The SpectrAlert SP2 Series combines the low current draw of the original SpectrAlert strobes with the fidelity sound quality of the SpectrAlert SP200 Series evacuation speakers.

**Installation** — The SpectrAlert SP2 Series includes several features to simplify installation. With field-reversible components, the SP2 wall speaker/strobe may be mounted with the strobe on the right or left to avoid potential obstructions. The unit may be secured to a 4" x 4" x 2-1/8" (101.6 x 101.6 x 53.975 mm) backbox without an extension ring. An optional backbox skirt is available for surface-mount applications.

**Flexibility** — As with other SpectrAlert products, the SP2 wall speaker/strobes feature flexibility for a wide variety of applications. The 24-volt strobe is available in five different candelas. The speaker offers field-selectable 25.0/70.7 volt-age and 1/4, 1/2, 1, and 2 watt power taps.

**Aesthetics** — Product appearance is important to most building owners. The SP2 Series wall speaker/strobes incorporate features and aesthetic curves similar to those of the SpectrAlert horns and strobes for a more appealing look.

## FEATURES

- Combines SpectrAlert strobe and speaker technologies for low current draw and fidelity sound quality.
- SyncCircuit™ module available for synchronizing strobe.
- 24-volt models available with 15, 15/75, 30, 75, and 110 candela strobes.
- 25.0 and 70.7 volt speaker with four field-selectable power taps.
- Field-reversible strobe for left or right mounting options.
- Fits standard 4" x 4" x 2-1/8" (101.6 x 101.6 x 53.975 mm) backbox without an extension ring.
- Optional surface-mount backbox skirt available.

## SPECIFICATIONS

### General Specifications:

**Dimensions:** 8.27" wide x 4.91" high x 2.22" deep strobe and 1.10" deep speaker (210.058 mm wide x 124.714 mm high x 56.388 mm deep strobe and 27.940 mm deep speaker).

**Mounting:** to 4" x 4" x 2.125" (101.6 x 101.6 x 53.975 mm) backbox, no extension ring required.

**Indoor operating temperature:** 32° to 120°F (0° to 49°C).

### Strobe Specifications:



**MEA**  
219-99-E



California State Fire Marshal  
7320-1209:186



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**Strobe operating voltage:** 24 VDC and FWR unfiltered.

**Operating voltage range\*:** 24 V, 20 – 30 V.

**Operating voltage range with SyncCircuit module\*:** 24 V, 21 – 30 V.

**Input terminals:** 12 to 18 AWG (3.25 to 0.75 mm<sup>2</sup>).

*\*NOTE: These product should be operated within their rated voltage range. UL does, however, test functional integrity to -20% and +10% of manufacturer's stated ranges.*

### Speaker Specifications:

**Input voltage:** 25.0 or 70.7 V<sub>RMS</sub> (nominal).

**Input terminals:** 12 to 18 AWG (3.25 to 0.75 mm<sup>2</sup>).

**Frequency range:** 400 to 4,000 Hz. *NOTE: The SP2C Series is UL listed from 400 to 4,000 Hz, but will provide an output from 100 to 10,000 Hz.*

**Power taps:** 1/4, 1/2, 1, and 2 watts.

### Sound Output:

@ 10 feet (dBA)	2 W	1 W	1/2 W	1/4 W
UL Reverberant	84	81	78	75
UL Anechoic	87	84	81	78

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Fire-Lite Alarms, One Fire-Lite Place, Northford, Connecticut 06472. Phone: (800) 627-3473, Toll Free FAX: (877) 699-4105, FAX Back:(888) 388-3299  
WEB: www.firelite.com



to the left-hand side of the base using the strobe screw and the rib slot on the left-hand side.

**Reversible Strobe Feature:**

The assembly ships with the strobe on the right-hand side. For a left-mounted strobe, perform the following steps: Remove the strobe screw (near top of strobe assembly above "FIRE" lettering). Lift the strobe assembly out of the rib slot on the right-hand side. Rotate the strobe 180°. Remount it

**ARCHITECTURAL/ENGINEERING SPECIFICATIONS**

The speaker/strobe shall be a System Sensor Model \_\_\_\_\_ listed to UL 1480 and UL 1971 and be approved for fire protective signaling systems. Speaker shall be capable of operating at 25.0 or 70.7 nominal V<sub>RMS</sub>, and shall have a frequency range of 400 to 4,000 Hz. Speaker shall have power taps which are selected by shunts. The strobe shall comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

**ORDERING INFORMATION with CURRENT DRAWS**

Wall Speaker-Strobes:			Current					
			AVG @ 24 V		PEAK @ 24 V		INRUSH @ 24 V	
RED Models	WHITE Models	CANDELA	DC	FWR	DC	FWR	DC	FWR
SP2R2415	SP2W2415	15	43 mA	60 mA	135 mA	208 mA	116 mA	152 mA
SP2R241575	SP2W241575	15 / 75	49 mA	64 mA	150 mA	207 mA	116 mA	164 mA
SP2R2430	SP2W2430	30	67 mA	82 mA	183 mA	219 mA	116 mA	152 mA
SP2R2475	SP2W2475	75	123 mA	159 mA	340 mA	460 mA	230 mA	280 mA
SP2R24110	SP2W24110	110	140 mA	191 mA	450 mA	570 mA	220 mA	290 mA
Surface-Mount Backbox Skirt:								
BBS-SP2R	BBS-SP2W							

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