

SPECTRAlert[®] SP2 Series Wall Speaker/Strobes



Models Available

Red	White
SP2R2415	SP2W2415
SP2R241575	SP2W241575
SP2R2430	SP2W2430
SP2R2475	SP2W2475
SP2R24110	SP2W24110

Accessory Back Box Skirt

Red	White
BBS-SP2R	BBS-SP2W



Product Overview

Combines SpectrAlert™ strobe and speaker technology

- Low current draw
- Fidelity sound quality

Sync•Circuit™ 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

Fits standard 4"x4"x2½" back box without an extension ring

Optional surface-mount back box skirt available

System Sensor's SpectrAlert SP2 series wall speaker/strobes represent the combination of leading edge strobe and speaker technology with a user-friendly, uniquely styled design.

Technology. SpectrAlert SP2 wall speaker/strobes combine the low current draw of the original SpectrAlert strobes, with the fidelity sound quality of the SpectrAlert SP200 series evacuation speaker.

Installation. The SpectrAlert SP2 series includes several features to simplify installation. With a field-reversible strobe, the SP2 wall speaker/strobes may be either left- or right-mounted to avoid potential obstructions. In addition, the unit may be secured to a 4"x4"x2½" back box, without the need for an extension ring. An optional back box skirt is available for surface-mount applications.

Flexibility. Like all SpectrAlert products, the SpectrAlert SP2 wall speaker/strobes feature the flexibility to meet a wide variety of applications. The 24 volt strobe is available in five different candelas, while the speaker offers field-selectable 25.0/70.7 voltage and ¼, ½, 1, and 2 watt power taps.

Aesthetics. Product appearance is important to most building owners. Therefore, SpectrAlert SP2 wall speaker/strobes incorporate similar aesthetic curves and features of SpectrAlert horns and strobes, for a more appealing look.

Engineering Specifications

Speaker/strobe shall be a System Sensor Model _____ listed to UL1480 and UL 1971 and be approved for fire protective signaling systems. Speaker shall be capable of operating at 25.0 or 70.7 nominal Vrms, and shall have a frequency range of 400 to 4000 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 voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.



MECA
approved

General Specifications

Dimensions

4 $\frac{7}{8}$ "x8 $\frac{1}{4}$ "x 2 $\frac{1}{4}$ "

Mounting

4"x4"x2 $\frac{5}{8}$ " back box

Indoor Operating Temperature

32° to 120° F (0° to 49° C)

Strobe Specifications

Strobe Operating Voltage

24 VDC and FWR unfiltered

Operating Voltage Range*

24V, 20–30 V

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

Input Terminals

12 to 18 AWG

Operating Voltage Range w/ Sync-Circuit Module*

24V, 21–30 V

Speaker Specifications

Input Voltage

25.0 or 70.7 Vrms (nominal)

Frequency Range

400–4000 Hz

The SP2 Series is UL listed from 400 to 4000Hz but will provide an output from 100 to 10,000Hz.

Power Taps

$\frac{1}{4}$, $\frac{1}{2}$, 1 and 2 watts

Input Terminals

12 to 18 AWG

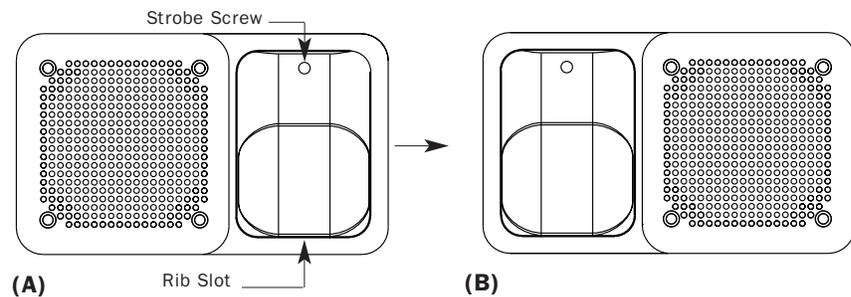
U.S. Patent No.

6,049,446

	2 Watts	1 Watt	$\frac{1}{2}$ Watt	$\frac{1}{4}$ Watt
Sound Output (UL Reverberant @ 10ft.)	84	81	78	75
Sound Output (UL Anechoic @ 10ft.)	87	84	81	78

Reversible Strobe Feature

Removing the strobe screw and lifting the strobe assembly (A), out of the rib slot allows the strobe to be rotated 180° and remounted to the base resulting in a left-mounted strobe configuration (B).



Ordering Information/Current Draw

Description	Model No.			Current (mA)					
				Avg @ 24 V		Peak @ 24 V		In Rush @ 24 V	
				DC	FWR	DC	FWR	DC	FWR
Wall Speaker/Strobe	Red	White	Candela	DC	FWR	DC	FWR	DC	FWR
	SP2R2415	SP2W2415	15	43	60	135	208	116	152
	SP2R241575	SP2W241575	15/75	49	64	150	207	116	164
	SP2R2430	SP2W2430	30	67	82	183	219	116	152
	SP2R2475	SP2W2475	75	123	159	340	460	230	280
	SP2R24110	SP2W24110	110	140	191	450	570	220	290
Surface-mount back box skirt	BBS-SP2R	BBS-SP2W	—	—	—	—	—	—	—

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