

# 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 |

SP2R241575



Mounted with BBS-SP2R



## 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"x2-1/8" 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"x2-1/8" 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 1/4, 1/2, 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

4-7/8" x 8-1/4" x 2-1/4"

### Strobe Specifications

#### Strobe Operating Voltage

24 VDC and FWR unfiltered

#### Input Terminals

12 to 18 AWG

### Speaker Specifications

#### Input Voltage

25.0 or 70.7 Vrms (nominal)

#### Input Terminals

12 to 18 AWG

### Mounting

4"x4"x2-1/8" back box

#### Operating Voltage Range\*

24V, 20-30 V

#### Operating Voltage Range w/ Sync-Circuit Module\*

24V, 21-30 V

#### Frequency Range

400 — 4000 Hz

### Indoor Operating Temperature

32° to 120° F (0° to 49° C)

\* 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.

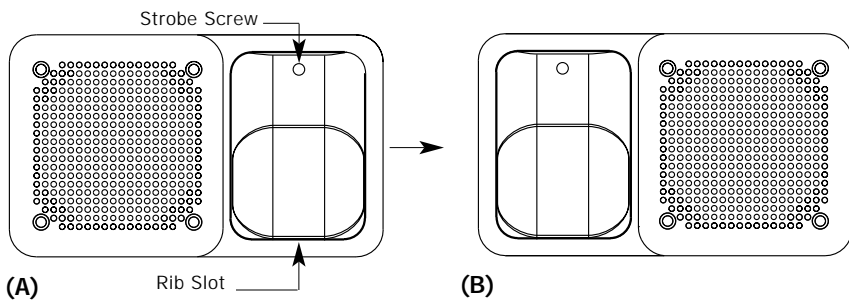
#### Power Taps

1/4, 1/2, 1 and 2 watts

|                                       | 2 Watts | 1 Watt | 1/2 Watt | 1/4 Watt |
|---------------------------------------|---------|--------|----------|----------|
| Sound Output (UL Reverberent @ 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   | —       | —            | —   | —           | —   | —              | —   |

## System Sensor Sales and Service

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### System Sensor in Europe

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### System Sensor in Singapore

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### System Sensor in the Far East

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### System Sensor in Australia

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