

SPECTRALERT® ADVANCE INDOOR SPEAKERS & SPEAKER/STROBES



Description

The new SpectrAlert® Advance selectable output speaker strobes and evacuation speakers can reduce ground faults and allow faster installation.

The SpectrAlert Advance Series of speakers and speaker strobes is designed to reduce ground faults. The plug-in design allows the installer to pre-wire mounting plates and dress the wires before plugging in the device. The plastic cover prevents nicked wires by covering exposed speaker components.

This design also provides faster installations with instant feedback to ensure that wiring is properly connected, rotary switches to select voltage and power settings, and 11 field selectable candela settings for wall and ceiling speaker strobes.

The low total harmonic distortion of the SP speaker offers high fidelity sound output while the SPV speaker offers high volume sound output for use in high ambient noise applications.

SpectrAlert Advance makes installation easy

- Attach a universal mounting plate to a 4 × 4 × 2½ inch back box.
- Connect the notification appliance circuit or speaker wiring to the terminals on the mounting plate.
- Attach the speaker or speaker strobe to the mounting plate by inserting the product tabs into the mounting plate grooves. Rotate the device into position to lock the product pins into the mounting plate terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.

Features

- Plug-in design
- Protective cover isolates speaker components and reduces ground faults
- Electrical compatibility with existing SpectrAlert products
- Field selectable candela settings on wall and ceiling units:
Standard: 15, 15/75, 30, 75, 95, 110, 115 cd
High: 135, 150, 177, 185 cd
- Shorting spring on mounting plate tests continuity before installation
- Rotary switch simplifies field selection of speaker voltage (25 and 70.7 Vrms) and power settings (¼, ½, 1 and 2 watts)
- Universal mounting plate for wall and ceiling mount units
- Compatible with System Sensor synchronization protocol
- SP speakers offer high fidelity sound output
- SPV speakers offer high volume sound output
- Automatic selection of 12 or 24 volt operation at 15 and 15/75 candela
- Ceiling and wall mount application
- Optional tamper resistant Torx head screw included



CATALOG NUMBER **5722**

NOT TO BE USED FOR INSTALLATION PURPOSES.

Mircom reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.

Engineering Specifications

General

SpectrAlert Advance speaker and speaker strobes shall mount to a 4 × 4 × 2½ inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit and amplifier wiring shall terminate at the universal mounting plate. Also, SpectrAlert Advance speaker strobes, when used with the Sync•Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync•Circuit Module, 12-volt rated notification appliance circuit outputs shall operate between 9 and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 17 and 33 volts. Indoor SpectrAlert Advance products shall operate between 0°C and 49°C (32°F to 120°F) from a regulated DC, or full-wave rectified, unfiltered power supply. Speaker strobes shall have field-selectable candela settings including 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185.

Speaker

The speaker shall be a System Sensor SpectrAlert Advance model _____ dual-voltage transformer speaker capable of operating at 25.0 or 70.7 nominal Vrms. It shall be ULC listed. The speaker shall have a frequency range of 400 to 4000 Hz and shall have an operating temperature between 0°C and 49°C (32°F to 120°F). Speaker shall have power taps and voltage that are selected by rotary switches.

Speaker Strobe Combination

The speaker strobe shall be a System Sensor SpectrAlert Advance model _____ and shall be ULC listed. Speaker shall be capable of operating at 25.0 or 70.7 nominal Vrms selected via rotary switch, and shall have a frequency range of 400 to 4000 Hz. Speaker shall have power taps which are selected by rotary switch. The strobe shall comply with the NFPA72 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.

Synchronization Module

The module shall be a System Sensor Sync•Circuit model MDLA listed to ULC. The module shall synchronize SpectrAlert strobes at 1Hz. The module shall mount to a 4½" × 4½" × 2½ inch back box. The module shall also control two Style Y (Class B) circuits or one Style Z (Class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

Physical Specifications

Operating Temperature	
0°C to 49°C (32°F to 120°F)	
Humidity Range	
10 to 93% non-condensing	
Dimensions, Wall-Mount	
SPSV Speaker Strobe	6.0"L x 5.0"W x 4.9"D (including lens & speaker)
SP Speaker	6.0"L x 5.0"W x 2.8"D
SPSV Speaker	6.0"L x 5.0"W x 2.9"D
Dimensions, Ceiling-Mount	
SPSV Speaker Strobe	6.8" Dia. x 4.8"D (including lens & speaker)
SP Speaker	6.8" Dia. x 2.8"D
SPV Speaker	6.8" Dia. x 2.9"D

Electrical/Operating Specifications

Nominal Voltage (speakers)	
25 Volts or 70.7 Volts (nominal)	
Maximum Supervisory Voltage (speakers)	
50 VDC	
Strobe Flash Rate	
1 flash per second	
Nominal Voltage (strobes)	
Regulated 12 VDC/FWR or regulated 24 DC/FWR	
Operating Voltage Range (includes fire alarm panels with built in sync)	
8 to 17.5 V (12 V nominal) or 16 to 33V (24 V nominal)	
Operating Voltage with MDLA Sync Module	
9 to 17.5 V (12 V nominal) or 17 to 33V (24 V nominal)	
Frequency Range	
400 to 4000 Hz	
Power	
¼, ½, 1, 2 watts	

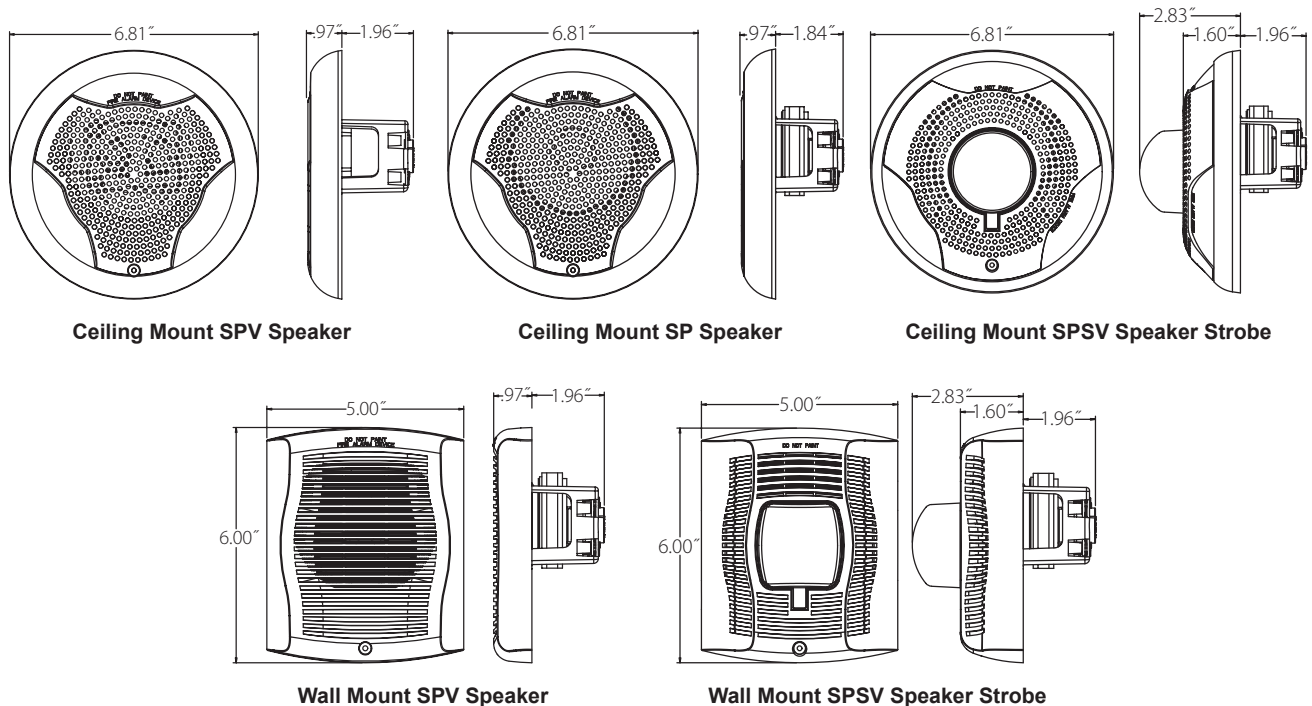
Current Draw Data

Max. Strobe Current (mA RMS)					
	Candela	8 to 17.5 Volts		16 to 33 Volts	
		DC	FWR	DC	FWR
Standard Candela Range	15	123	128	66	71
	15/75	142	148	77	81
	30	NA	NA	94	96
	75	NA	NA	158	153
	95	NA	NA	181	176
	110	NA	NA	202	195
	115	NA	NA	210	205
High Candela Range	135	NA	NA	228	207
	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

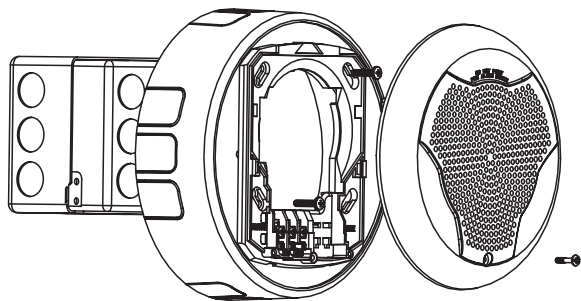
Sound Output Data

ULC Anechoic (dBA @ 10 ft.)	2W	1W	½ W	¼ W
Wall Mount SP Series	86	83	80	77
Wall-Mount SPV Series	91	88	85	82
Ceiling-Mount SPC Series	86	83	80	77
Ceiling-Mount SPCV Series	91	88	85	82
Wall-Mount SPSV Series	88	85	82	79
Ceiling-Mount SPSCV Series	88	85	82	79

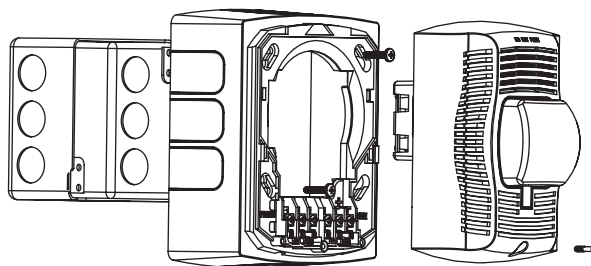
Dimensions



Surface Mounting



Ceiling Mount Speaker with SPBBSCW Back Box Skirt



Wall Mount Speaker Strobe with SPBBS Back Box Skirt

Ordering Information

Model	Description
Wall Mount	
SPWA	White Wall Mount Speaker
SPRA	Red Wall Mount Speaker
SPWVA	White Wall Mount Speaker, High dB
SPRVA	Red Wall Mount Speaker, High dB
SPSWVA*	White Wall Mount Speaker Strobe, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115)
SPSRVA*	Red Wall Mount Speaker Strobe, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115)
Ceiling Mount	
SPCWA	White Ceiling Mount Speaker
SPCRA	Red Ceiling Mount Speaker
SPCWVA	White Ceiling Mount Speaker, High dB
SPCRVA	Red Ceiling Mount Speaker, High dB
SPSCWVA*	White Ceiling Mount Speaker Strobe, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115)
SPSCRVA*	Red Ceiling Mount Speaker Strobe, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115)
SPSCWVHA*	White Ceiling Mount Speaker Strobe, High dB, Selectable Candela, High cd (135, 150, 177, 185)
SPSCRVHA*	Red Ceiling Mount Speaker Strobe, High dB, Selectable Candela, High cd (135, 150, 177, 185)
Accessories	
RFPW	White 7.5" x 9.5" Retrofit Mounting Plate (5 pack)
RFP	Red 7.5" x 9.5" Retrofit Mounting Plate (5 pack)
SPBBSCW	White Surface Mount Back Box Skirt for Ceiling Mount Speaker/Strobes
SPBBSC	Red Surface Mount Back Box Skirt for Ceiling Mount Speaker/Strobes
SPBBSW	White Surface Mount Back Box Skirt for Wall Mount Speakers
SPBBS	Red Surface Mount Back Box Skirt for Wall Mount Speakers
TRW	White Wall Mount Speaker Trim Ring (5 pack)
TR	Red Wall Mount Speaker Trim Ring (5 pack)
TRCWA-10	White Ceiling Mount Trim Ring (10 pack)
TRCA-10	Red Ceiling Mount Trim Ring (10 pack)

* Add suffix "-F" for French or "-B" for Bilingual

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