

SPECTRALERT® ADVANCE OUTDOOR SPEAKERS



Features

- Plug-in design
- Protective cover isolates speaker components, reduces ground faults
- Electrical compatibility with legacy SpectrAlert products
- 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
- Weatherproof per NEMA 4x, IP56
- Ceiling and wall mount application

Description

The new full line of SpectrAlert® Advance outdoor selectable output evacuation speakers offer a broad range of products to meet virtually every outdoor application.

The SpectrAlert Advance series offers a broad line of outdoor speakers. From metal and plastic outdoor back boxes, to white and red plastic housings, to wall and ceiling mounting options, virtually every application is covered. SpectrAlert Advance outdoor speakers offer reliable operation over the entire temperature range of -40°C to 66°C (-40°F to 151°F). They may be used indoors or outdoors in wet or dry applications. In addition, these speakers provide a broad frequency response range and low harmonic distortion to provide an accurate and intelligible broadcast of evacuation messages. High sound pressure level at all tap settings ensures that messages are clearly heard.

The plug-in design allows the installer to pre-wire mounting plates and dress the wires before plugging in the speakers to help reduce ground faults. This design also allows faster installations with instant feedback to ensure that wiring is properly connected, and rotary switches to select voltage and power settings.

The new weatherproof back boxes have plastic and optional metal versions. They are now designed to accommodate in-and-out wiring for daisy chaining outdoor devices. The plastic weatherproof back boxes shipped with the product feature removable side flanges and improved resistance to salt water corrosion. The screw hole knock-outs located on the back of the weatherproof back box eliminate the need to drill holes for screw-in mounting. Both weatherproof back boxes come with ¾-inch top and bottom conduit entries and ¾-inch knock-outs at the back. Included with each back box is a screw-in NPT plug with an O-ring gasket for a water tight seal. Metal back boxes are available separately.



CATALOG NUMBER **5723**

NOT TO BE USED FOR INSTALLATION PURPOSES.

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Engineering Specifications

General

SpectrAlert Advance outdoor speakers shall mount to a weatherproof back box. A universal mounting plate shall be used for mounting ceiling and wall products. The amplifier wiring shall terminate at the universal mounting plate. Outdoor SpectrAlert Advance products shall operate between -40°C and 66°C (-40°F and 151°F).

Speaker

Speaker shall be a System Sensor SpectrAlert Advance Model _____ dual voltage transformer speaker capable of operating at 25.0 or 70.7 nominal Vrms. Speaker shall be listed to ULC. Speaker shall have a frequency range of 400 to 4000 Hz and shall have an operating temperature from -40°C and 66°C (-40°F and 151°F). Speaker shall have power taps and wattage settings which are selected by rotary switches. The speaker must be installed with its weatherproof backbox in order to maintain its outdoor approval per ULC. The speaker shall be suitable for use in air handling spaces, as well as wet environments.

Physical Specifications

Operating Temperature
-40°C to 66°C (-40°F to 151°F)
Dimensions, Wall Mount
SP Speaker (including backbox)
6.45"L x 5.48"W x 3.8"D
Dimensions, Ceiling Mount
SPC Speaker (including backbox)
7.19" Dia. x 3.8"D

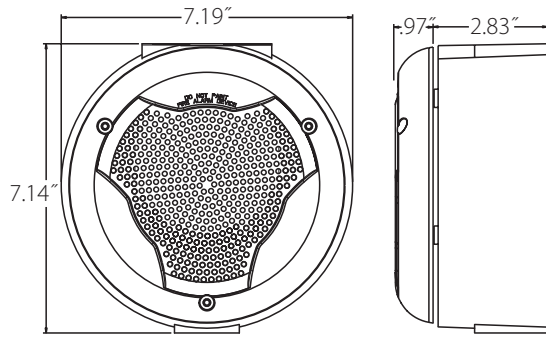
Electrical/Operating Specifications

Nominal Voltage (speakers)
25 Volts or 70.7 Volts (nominal)
Maximum Supervisory Voltage (speakers)
50 VDC
Frequency Range
400 to 4000 Hz
Power
$\frac{1}{4}$, $\frac{1}{2}$, 1, 2 watts

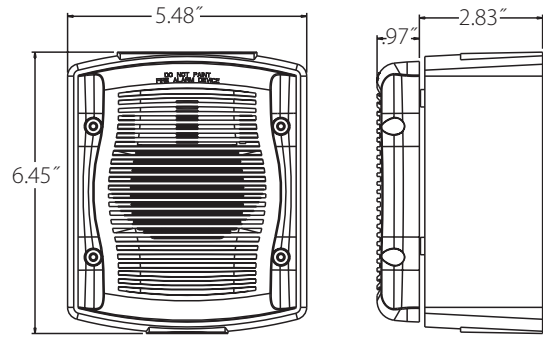
Sound Output Data

ULC Anechoic (dBA @ 10 ft.)	2W	1W	$\frac{1}{2}$ W	$\frac{1}{4}$ W
Outdoor Wall Speaker	91	88	85	82
Outdoor Ceiling Speaker	92	89	86	83

Dimensions

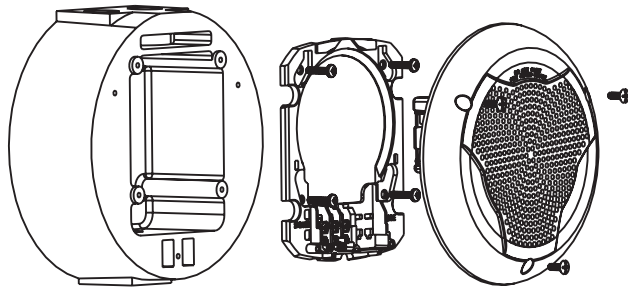


Ceiling Mount Outdoor Speaker

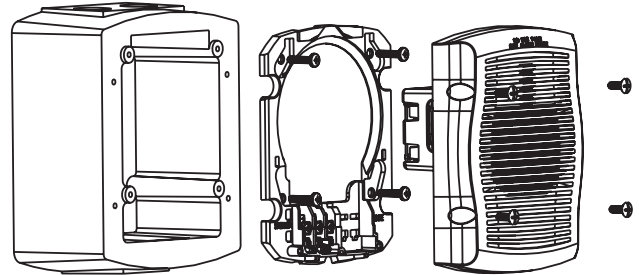


Wall Mount Outdoor Speaker

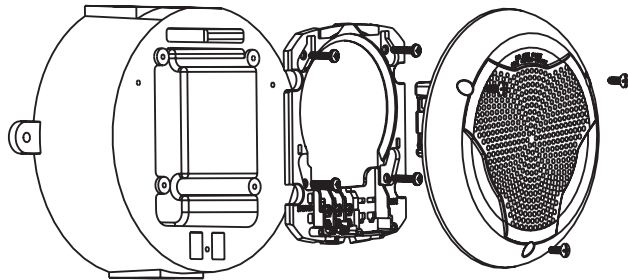
Surface Mounting



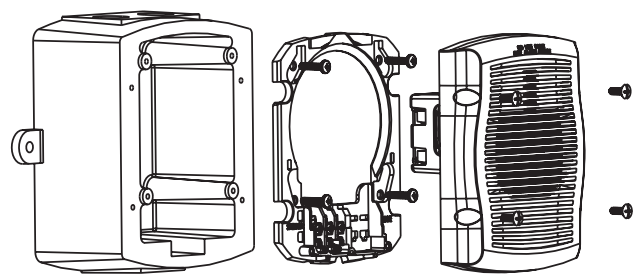
Ceiling Mount Speaker with Plastic Weatherproof Back Box



Wall Mount Speaker with Plastic Weatherproof Back Box



Ceiling Mount Speaker with Optional Metal Weatherproof Back Box



Wall Mount Speaker with Optional Metal Weatherproof Back Box

Ordering Information

Model	Description
Wall Mount	
SPRKA	Red Wall Mount Outdoor Speaker (includes plastic weatherproof back box)
SPWKA	White Wall Mount Outdoor Speaker (includes plastic weatherproof back box)
Ceiling Mount	
SPCWKA	White Ceiling Mount Outdoor Speaker (includes plastic weatherproof back box)
Accessories	
MWBB	Red Metal Weatherproof Back Box for Wall Mount Speakers
MWBBW	White Metal Weatherproof Back Box for Wall Mount Speakers
MWBBCW	White Metal Weatherproof Back Box for Ceiling Mount Speakers

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