



SP201K Outdoor Dual Voltage Evacuation Speakers

System Sensor's SP201K series speakers combine performance, functionality, and flexibility in the latest line of dual voltage outdoor evacuation speakers.

Features

- Fidelity sound quality
- 25.0 and 70.7 Vrms dual voltage settings
- Four field-selectable power taps
- Low profile design
- Color matched mounting screws
- Suitable for use in outdoor environments
- Rainproof per UL 50 (NEMA 3R)



SPECTRAlert

Performance. With its low total harmonic distortion, the SpectrAlert SP201K series offers fidelity quality sound output. This performance provides greater assurance that the SP201K's output more closely matches the source signal. This fidelity sound quality is achieved at any of the SP201K's four field-selectable power taps: ¼, ½, 1, and 2 watts.

Installation. The SpectrAlert Outdoor Dual Voltage Evacuation Speaker is supplied with its own weatherproof back box.

Flexibility. The speaker voltage, either 25.0 or 70.7, and power tap settings, either ¼, ½, 1, or 2 watt, are field-selectable to provide an appropriate dB output for each unit.

Aesthetics. SpectrAlert Outdoor Speakers incorporate the same stylish, low profile design of the conventional SpectrAlert products, for a consistent and aesthetically pleasing appearance across the entire product line.

Agency Listings

SIGNALING

PDF

LISTED



MEA
approved

139-105-E

7820-1653:183

pdf.dzsc.com

SP201K Series Specifications

Architectural/Engineering Specifications

Speaker shall be a System Sensor Model SP201K dual voltage transformer speaker capable of operating at 25.0 or 70.7 nominal Vrms. Speaker shall be listed to Underwriter's Laboratories Standard S4048 for outdoor fire protective signaling systems. Speaker shall have a frequency range of 400 to 4000 Hz and shall have an operating temperature from -40°F to 150.8°F. Speaker shall have power taps which are selected by shunts. The speaker must be installed with its weatherproof backbox in order to remain outdoor approved per UL listing S4048. The speaker shall be suitable for use in air handling spaces, as well as wet environments.

Mechanical Specifications

Speaker Size	4 inches (101 mm)
Grille Size	4 ¹³ / ₁₆ " (122 mm) square
Back Box	6 ⁵ / ₈ " × 5 ¹ / ₄ " × 4" (168 mm × 133 mm × 102 mm)
Operating Temperature Range	-40°F to 150.8°F (-40°C to 66°C)

Electrical Specifications

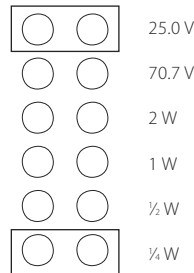
Input Terminals	12 to 18 AWG
Voltage Input	25.0 volts or 70.7 volts nominal
Power	¼, ½, 1, and 2 watts
Frequency Range	400 to 4000 Hz The SP201K Series is UL Listed from 400 to 4000 Hz, but will provide an output from 100 to 10,000 Hz.

Sound Levels for Each Transformer Power Tap

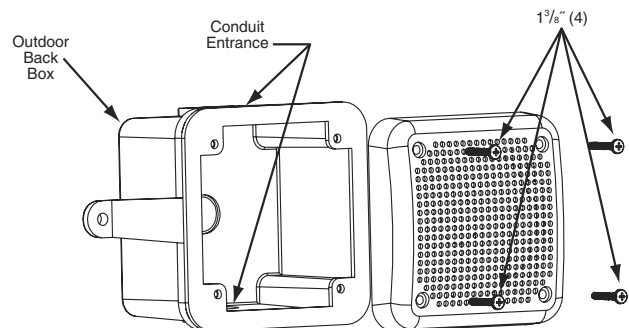
Input Volts	2 W	1 W	½ W	¼ W	UL Reverberant (dBA @ 10 ft.)
25.0	89	87	85	81	
70.7	90	87	84	81	

Simple Voltage and Power Selection

Example: Selecting a ¼ watt input when a 25.0 volt (nominal) amplifier is being used.



SP201K Mounting



Ordering Information

Part No.	Description	Speaker Voltage
SP201K	Red, square speaker, 4 ¹³ / ₁₆ " grille, ¼–2 watt power tap, includes surface mount backbox	25.0/70.7 Vrms