Honeywell | Notification Appliances

L-Series, SPCW8, 8-Inch Dual Voltage Speaker

Dual Voltage Speaker for Fire and General Signaling Systems

General

The Gamewell-FCI, SPCW8 8" speaker provides a solution for ceiling mount applications that are used for tap settings that range between 1/8 watt to 8 watts. This product provides a solution for almost any voice or audio requirement.

Gamewell-FCI offers seven different tap settings ranging from 1/8 watts to 8 watts providing a solution for life safety and general signaling requirements. The high dB output reduces the number of speakers required for sound and intelligibility. The SPCW8 is designed for high efficiency sound output with low total harmonic distortion to offer a high-fidelity sound output.

The speaker's clear audible sound is designed to meet life safety needs ranging from fire to emergency communication messages. With its wide frequency range, it can also be used for general signaling such as paging and background music. The SPCW8 speaker is listed to the following standards.

- ANSI/UL 1480
- ANSI/UL 2043 plenum rated
- CAN/ULC S541
- CSA C22.2. No. 205 requirements for public mode and general signaling applications



SPCW8 Speaker

The speaker is suitable for indoor and damp installations. The SPCW8 can be surface-mounted with the back can or flush-mounted with the optional accessory, SB-SPC8.

The SB-SPC8 (sold separately) offers support for ceiling tile installations. The 3/4 inch knockouts are provided for conduit entry and are compatible with plenum rated cable and plenum whip flex conduit.

Speaker and Speaker Strobe Specifications Architectural/Engineering Specifications

The Gamewell-FCI, SPCW8 8-inch dual voltage speaker and enclosure shall mount using the SB-SPC8 mounting bracket, sold separately. The SPCW8 can be flush mounted with a supplied back can or ceiling mounted with the back can and SB-SPC8 tile bridge.

The speaker shall be a SPCW8 dual-voltage transformer speaker capable of operating at 25.0 or 70.7 nominal V_{RMS} with field-selectable tap settings from 1/8 to 8 Watts. It should be listed to the following standards.

- ANSI/UL 1480
- ANSI/UL 2043 plenum rated
- CAN/ULC S541
- CSA C22.2 No. 205 requirements for public mode and general signaling applications

FEATURES & BENEFITS

- Listed with UL® and ULC® Standards
- Speaker ships with back can
- For use with the separately sold tile support bracket: Part Number: SB-SPC8
- Offers flush and ceiling tile mounting with the use of a ceiling tile bracket
- Uses voltage and speaker tap settings via a jumper connection
- Supports the field selection of speaker voltages (25 and 70.7 V_{RMS}) and the following power settings:
  - 1/8 watts
  - 1/4 watts
  - 1/2 watts
  - 1 watt
  - 2 watts
  - 4 watts
  - – 8 watts
- Provides a broad temperature range 32°F to 120°F
- Accepts wire up to 12 AWG

Figure 1 illustrates the dimensions for the SPCW8.

Figure 2 illustrates the ceiling-mount speaker with back can and SP-SPC8 tile the bridge.

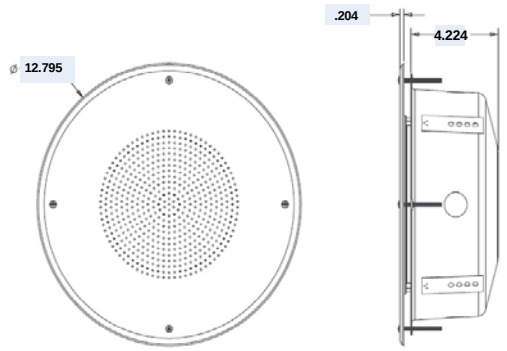


Figure 1 SPCW8 Dimensions

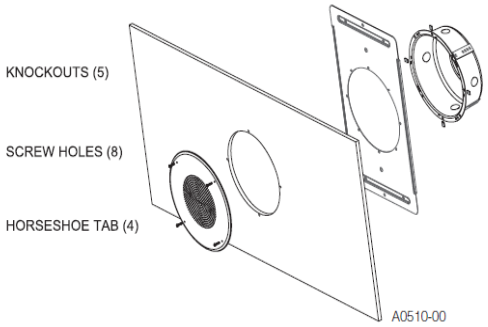


Figure 2 SPCW8 Surface Mounting

SOUND OUTPUT

UL Reverberant (dBA @ 10 ft.)	1/8 W	1/4 W	1/2 W	1 W	2 W	4 W	8 W
SPCW8	93	78	81	84	87	90	93
UL Anechoic (dBA @ 10ft.)							
SPCW8	82	85	87	91	94	97	100

Table 1: UL Current Draw Data

Ordering Information

Speaker:

White SPCW8: 8 Inch Dual Voltage Speaker

Accessories:

White SP-SPC8: Tile Support Bracket

L-Series, SPCW8, 8-Inch Dual Voltage Speaker Technical Specifications

SYSTEMS

The Speaker is suitable for indoor and damp installations. The speaker shall have a frequency range of 400 to 4,000 Hz and shall have an operating temperature between 32°F and 120°F. The speaker shall have power taps and voltages that are selected by jumper connection.

Physical Specifications:

Operating Temperature: 32°F to 120°F (0°C to 49°C)

Humidity Range: 10 to 93% non-condensing

Ceiling-Mount Dimensions:

SPCW8 Speaker with Grill:

Diameter: 12.8", 325.1 mm

Depth: 2.7", 68.6 mm

SPCW8 Speaker with Back Can:

Diameter: 12.8", 325.1 mm

Depth: 4.2", 106.7 mm

SB-SPC8 Tile Support Bracket:

Length: 23.75", 603.3 mm

Width: 4.125", 104.8 mm

Diameter Opening: 10.75", 273.1 mm

Electrical/Operating Specifications:

Nominal Voltage (Speakers): 25 Volts or 70.7 Volts (nominal) Max. Supervisory

Maximum Supervisory Voltage (Speakers): 50 VDC

Operating Voltage Range (includes fire alarm panels with built-in sync): 8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)

Frequency Range: 400 to 4,000 Hz (Fire Alarm)

200Hz - 15KHz (General Signaling)

Power Settings: 1/8, 1/4, 1/2, 1, 2, 4, 8 watts

Input Terminal Wire Gauge: 12 to 18 AWG

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARDS

The L-Series, SPCW8 is designed to comply with the following standard:

UL Standard: UL 1971 and UL 464

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL: S5512, S4011

CSFM: 7320-1653:0500

ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information

Learn more about Gamewell-FCI's L-Series, SPCW8, 8-Inch Dual Voltage Speaker and other products available by visiting www.Gamewell-FCI.com

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