

GWSS/GWSPK Series

Outdoor Ceiling/Wall Mount Selectable Candela Speaker/Strobe & Speaker

8 Units per carton, 23 pounds per carton

Applications

The GWSS/GWSPK Commander 5 Series is an outdoor universal ceiling and wall mount speaker or speaker/strobe combination designed for audio and voice communications. The high fidelity speaker is tested to a wide frequency range of 315Hz to 5000Hz, exceeding the UL1480 requirements. The GWSS/GWSPK Series offers both dependable evacuation signaling and visual alarms or a combination of both.

The GWSS speaker/strobe offers tamperproof field selectable strobe options of 15, 30, 75, 115, 150, and 177 candela. The strobe can be synchronized when used in conjunction with the Gentex GTSM Control Module. The GWSS/GWSPK Series provides a 25 or 70.7 VRMS speaker with field selectable power taps of 1/8W, 1/4W, 1/2W, 1W, 2W or 4W.

Included with the GWSS/GWSPK Series is the outdoor listed back box and weatherproof cover. Using the weatherproof cover and back box with the GWSS/GWSPK Series provides protection from weather related conditions and allows the necessary full candela output.

Each Commander 5 Series GWSS/GWSPK includes a mounting plate incorporating the popular Super-Slide® feature that allows the installer to easily test for supervision. The product also features a locking mechanism which secures the product to the bracket without any screws showing. The Commander 5 also features the patented Checkmate® instant voltage verification feature which allows the installer to check the voltage drop draw and match it to the blueprint.

The GWSS/GWSPK devices are listed to ANSI/UL 1480, ANSI/UL 1638 and CAN/ULC 541 and/or CAN/ULC 526 and warranted for 3 years from the date of purchase.



Standard Features

- GWSS nominal strobe voltage 24 VDC
- Tamperproof field selectable candela options of 15, 30, 75, 115, 150 & 177
- Unit dimensions: 6.76" (17.16 cm) x 6.50" (16.51 cm) x 4.83" (12.26 cm)
- GWSS/GWSPK shipped with outdoor listed backbox and weatherproof cover
- Speaker voltage 25 or 70.7 VRMS standard, field selectable
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- High fidelity speaker. Frequency range 315-5000Hz
- Super-Slide® Bracket, Ease of Supervision Testing
- Checkmate® Instant Voltage Verification
- Rewire entire system, install mounting bracket, then install speaker
- Lower installation and operating costs
- Mount to a standard 4" x 2-1/8" deep back box
- Input terminals 12 to 18 AWG
- Synchronize strobe with the Gentex GTSM Control Module
- Weatherproof cover made of clear Lexan® provides maximum visibility and reliability for effective visible signaling
- Weatherproof enclosure provides an ingress protection rating of 54 (IP54) Category 2
- Available in red or white
- Universal wall/ceiling mount

GWSS Ceiling/Wall Mount, Selectable Candela, Speaker/Strobe

Model	Part Number	Lettering
GWSSR	904-1559-002	FIRE Text
GWSSW	904-1560-002	FIRE Text
GWSSAR	904-1561-002	ALERT Text
GWSSAW	904-1562-002	ALERT Text
GWSSPR	904-1563-002	Plain
GWSSPW	904-1564-002	Plain

GWSPK Ceiling/Wall Mount Speaker

Model	Part Number	Lettering
GWSPKR	904-1551-002	Plain
GWSPKW	904-1552-002	Plain

R = Red Faceplate, W = White Faceplate.

All units are available in P = plain (no lettering). Plain units are not returnable.

GWSS Strobe Current Ratings (mA)

Candela	24 VDC (16 – 33 Volts)	
	UL Max	24 VDC
15	35 mA	28 mA
30	41 mA	34 mA
75	74 mA	55 mA
115	107 mA	76 mA
150	138 mA	98 mA
177	162 mA	117 mA

Speaker dBA @ 10 ft.

Input Watts	25 Volts	70.7 Volts
1/8	73 dBA	73 dBA
1/4	76 dBA	76 dBA
1/2	78 dBA	78 dBA
1	81 dBA	81 dBA
2	84 dBA	84 dBA
4	87 dBA	87 dBA

Product Listings



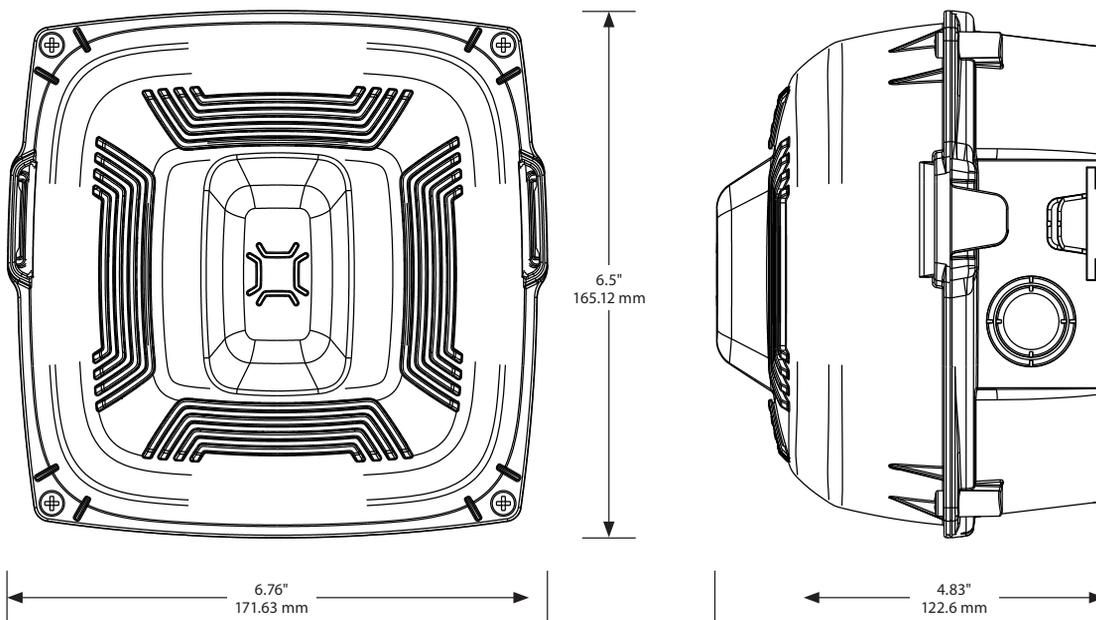
- ANSI/UL 1480, ANSI/UL 1638
- CAN/ULC 526 and/or CAN/ULC 541 Listed
- CSFM: Listed

Product Compliance

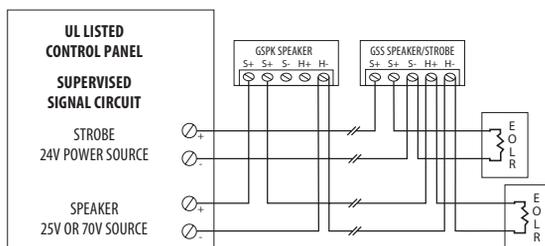
- Americans with Disabilities Act (ADA)
- NFPA 72
- IBC/IFC/IRC
- Quality Management System is certified to: ISO 9001:2015

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Wiring Diagram



Notes

- Indoor operating temperature: 32° to 120°F (0° to 49°C)
- Outdoor operating temperature: 40 to 150F (-40 to 66C)
- The GWSS/GWSPK series is listed for outdoor use
- For nominal and peak current across ANSI/UL regulated voltage range for filtered DC power, see installation manual
- This appliance is not recommended for use on coded or pulsing signaling circuits

* MAX. WIRE DISTANCE (IN FEET) = $\frac{\text{PANEL VOLTAGE} - \text{DEVICE MINIMUM VOLTAGE}}{\text{TOTAL CURRENT DRAW}} \times \text{WIRE CONDUCTIVITY (STROBE ONLY)}$

Architect & Engineering Specifications

The fire alarm speaker and speaker/strobe shall be Gentex GWSS/GWSPK or approved equivalent and shall be listed by Underwriters Laboratories, Inc. (ANSI/UL) per ANSI/UL 1638, ANSI/UL 1480 and with CAN/ULC 526 and/or CAN/ULC 541. The speaker shall be capable of producing alarm tones or voice on all 25 or 70.7 VRMs audio systems. The speaker shall provide incremental tap settings of 1/8, 1/4, 1/2, 1, 2 or 4 watts. Minimum dBA rating at 1/4 watt shall be 76 dBA at 70.7 volts and a minimum dBA rating at 4 watts shall be 87 dBA at 70.7 volts. Tap settings shall be adjustable with field selectable jumper pins. The speaker also has a visual signal with an operating current of 35 mA or less at 24 VDC for the 15 Cd strobe circuit. The strobe appliance shall have an input voltage range of 16-33 volts direct current power for 24 VDC models. The visual signal shall have a 1 Hz flash rate regardless of input voltage. The unit shall be provided with a mounting bracket with terminals with barriers for input/output wiring, a weatherproof cover and an outdoor listed backbox. The appliance has an extended temperature range of -40 to 150F (-40 to 66C) and shall satisfy virtually all outdoor and severe environment applications. The weatherproof cover includes a gasket that must be inserted between the weatherproof cover and device. The included drain holes in the back box to allow for drainage. The seal on the waterproof cover is not water tight.



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