

GWSS Colored Lens Series

Outdoor Ceiling/Wall Mount Selectable Candela Speaker/Strobe

8 Units per carton, 23 pounds per carton

Applications

The GWSS Colored Lens Commander 5 Series is universal outdoor ceiling and wall mount speaker/strobe combination. The high fidelity speaker is tested to a wide frequency range of 315Hz to 5000Hz, exceeding the UL1480 requirements. The GWSS Colored Lens Series offers a speaker and visual alarm for warning and emergency notification. Applications include severe weather, evacuation, emergency response and many more.

The GWSS Colored Lens Speaker/Strobe offers tamperproof field selectable strobe options, with a strobe that can be synchronized when used in conjunction with the Gentex GTSM Control Module. The GWSS Colored Lens 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 Colored Lens Series is the outdoor listed back box and weatherproof cover. Using the weatherproof cover and back box with the GWSS Colored Lens Series provides protection from weather related conditions and allows the necessary full candela output.

Each Commander 5 GWSS Colored Lens Series model 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 Colored Lens devices are listed to ANSI/UL 1480, ANSI/UL 1638 and CAN/ULC 541 and/or CAN/ULC 5526 and warranted for 3 years from the date of purchase.

Standard Features

- GWSS Colored Lens nominal strobe voltage 24 VDC
- Tamperproof field selectable candela options
- Amber, Blue and Green Candela settings: 15, 30, 60, 75, 95, 115 candela
- Red Candela settings: 10, 15, 30, 45, 60, 75 candela
- 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
- Prewire 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 use 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 Colored Lens

Model	Part Number	Lens Color
GWSSAPR	904-1581-002	Amber
GWSSAPW	904-1582-002	Amber
GWSSAAR	904-1583-002	Amber (ALERT Text)
GWSSAAW	904-1584-002	Amber (ALERT Text)
GWSSBPR	904-1585-002	Blue
GWSSBPW	904-1586-002	Blue
GWSSBAR	904-1587-002	Blue (ALERT Text)
GWSSBAW	904-1588-002	Blue (ALERT Text)
GWSSGPR	904-1589-002	Green
GWSSGPW	904-1590-002	Green
GWSSGAR	904-1591-002	Green (ALERT Text)
GWSSGAW	904-1592-002	Green (ALERT Text)
GWSSRPR	904-1593-002	Red
GWSSRPW	904-1594-002	Red
GWSSRAR	904-1595-002	Red (ALERT Text)
GWSSRAW	904-1596-002	Red (ALERT Text)

GWSS Strobe Current Ratings (mA) Amber, Blue, Green Lens | Red lens*

Candela	24 VDC (16 – 33 Volts)	
	UL Max	24 VDC
15 10*	36 mA	30 mA
30 15*	54 mA	42 mA
60 30*	93 mA	65 mA
75 45*	112 mA	78 mA
95 60*	138 mA	98 mA
115 75*	162 mA	119 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

SIGNALING



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

Product Compliance

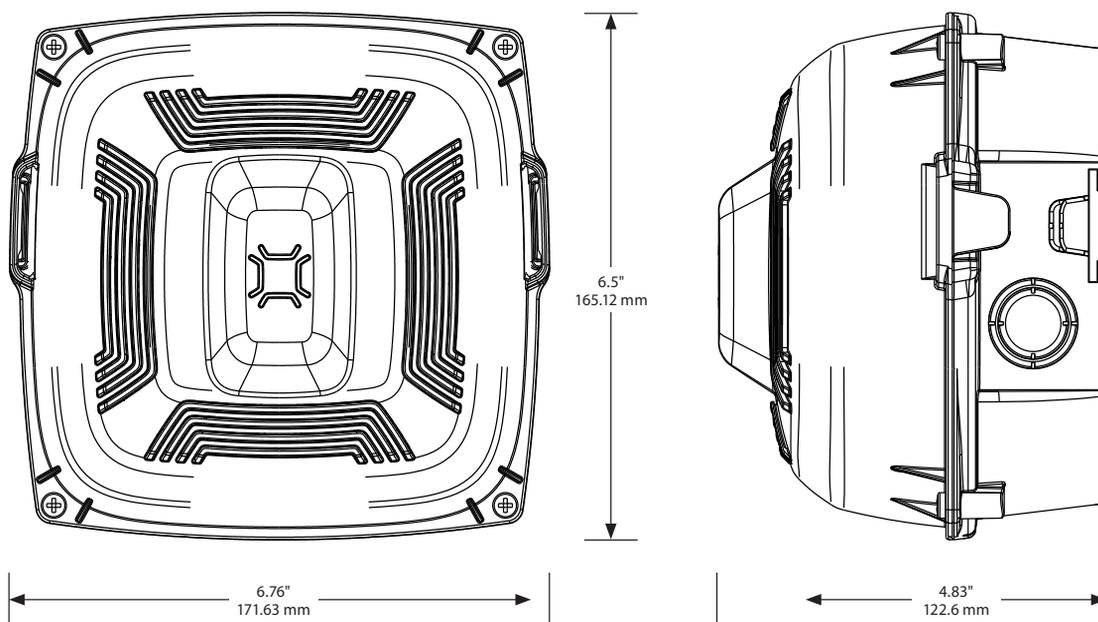
- Americans with Disabilities Act (ADA)
- NFPA 72
- IBC/IFC/IRC
- Quality Management System is certified to: ISO 9001:2015

R = Red Faceplate, W = White Faceplate.

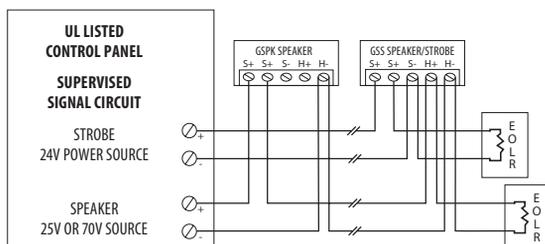
All units are available in P = plain (no lettering). Plain units are not returnable.

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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 Colored Lens 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/strobe shall be Gentex GWSS Colored Lens Series 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 36mA or less at 24VDC for the 15 candela (amber, blue and green models) and 10 candela (red model) 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 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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