

GES3 / GEC3 Colored Lens Series

Selectable Candela Signals

24 VDC Colored Lens Strobe and Horn/Strobe

24 units per carton, 28 pounds per carton

Applications

The Commander3 Series Colored Lens Signals are wall mount, low profile strobes or horn/strobes that offer dependable audible and visual alarms for warning and emergency notification. Applications include emergency communication, severe weather, emergency response and many more.

The GE3 Colored Lens Series are 24VDC units available in lens colors of amber, blue, green and red. The Series offers tamperproof field selectable candela options of 15, 30, 60, 75, and 110 candela. The GEC3 horn/strobe offers a continuous or synchable temporal 3 in 2400Hz, mechanical and chime as well as a whoop tone. All tones are easy for the professional to change in the field by the use of switches.

The Commander3 Colored Lens Series is shipped with a standard 4" mounting plate which incorporates the popular Super-Slide® feature that allows the installer to easily test for supervision. The product also features a locking mechanism that secures the signal to the bracket without showing any screws. The GE3 Colored Lens Series also features the patented Checkmate® instant voltage verification feature which allows the installer to check the voltage drop draw and match it against the blueprint.

The Commander3 Colored Lens Series are ANSI/UL1638, ANSI/UL464, CAN/ULC S525 and/or CAN/ULC S526 listed. The Series is also compliant with the rated candela per the polar dispersion requirements of ANSI/UL 1971. Therefore, the ANSI/UL 1971 polar plot is equal to the candela listed on the product, no derating was required. The GE3 Colored Lens Series is warranted for three years from date of purchase.

Standard Features

- Nominal voltage 24 VDC
- Field selectable candela options of 15, 30, 60, 75, and 110
- Unit Dimensions: 5" (12.7 cm) high x 4.5" (11.43 cm) wide x 2.5" (6.35 cm) deep
- Lens colors available: amber, blue, green and red
- Super-Slide® Bracket - Ease of Supervision Testing
- Checkmate® - Instant Voltage Verification
- Prewire entire system, install mounting bracket, then install signals
- Input terminals accept 12 to 18 AWG
- Switch selection for high or low dBA
- Switch for 2400 Hz, mechanical, chime and whoop tones
- Switch for continuous or temporal 3 (not available on whoop tone)
- Synchronize strobe and/or horn with Gentex AVSM Control Module
- Silence audible while visual appliance will remain flashing
- Tamperproof re-entrant grill
- Surface mount with the GSB (Gentex Surface Mount Box)
- Faceplate available in red or off-white
- Wall mount



Product Listings



- ANSI/UL 464 and ANSI/UL 1638 Listed
- CAN/ULC S525 and/or CAN/ULC S526 Listed
- CSFM: 7135-0569:135 (Horn/Strobes)
7135-0569:136 (Strobes)

Patents

- 7,375,617 May 20, 2008

Product Compliance

- NFPA 72
- IBC/IFC/IRC
- Quality Management System is certified to:
ISO 9001:2008

Note: ANSI/UL 1971 is not applicable to emergency communications devices, but readings were obtained using the measurement procedure specified under ANSI/UL 1971.

GES3 Colored Lens Strobe, Selectable Candela Low Profile

Model	Part Number	Lens Color	Voltage (VDC)	Candela
GESA24PWR	904-1335-002	Amber	24	15, 30, 60, 75, 110
GESA24PWW	904-1336-002	Amber	24	15, 30, 60, 75, 110
GESB24PWR	904-1337-002	Blue	24	15, 30, 60, 75, 110
GESB24PWW	904-1338-002	Blue	24	15, 30, 60, 75, 110
GESG24PWR	904-1339-002	Green	24	15, 30, 60, 75, 110
GESG24PWW	904-1340-002	Green	24	15, 30, 60, 75, 110
GESR24PWR	904-1341-002	Red	24	15, 30, 60, 75, 110
GESR24PWW	904-1342-002	Red	24	15, 30, 60, 75, 110

GEC3 Colored Lens Horn/Strobe, Selectable Candela Low Profile

Model	Part Number	Lens Color	Voltage (VDC)	Candela	Reverberant dBA at 10ft.	Anechoic Room dBA at 10ft.
GECA24PWR	904-1327-002	Amber	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECA24PWW	904-1328-002	Amber	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECB24PWR	904-1329-002	Blue	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECB24PWW	904-1330-002	Blue	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECG24PWR	904-1331-002	Green	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECG24PWW	904-1332-002	Green	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECR24PWR	904-1333-002	Red	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA
GECR24PWW	904-1334-002	Red	24	15, 30, 60, 75, 110	62-82 dBA	100 dBA

R = Red Faceplate, W = White Faceplate

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

Lens Colors: A = Amber R = Red B = Blue G = Green

ALERT and AGENT bezels available for order

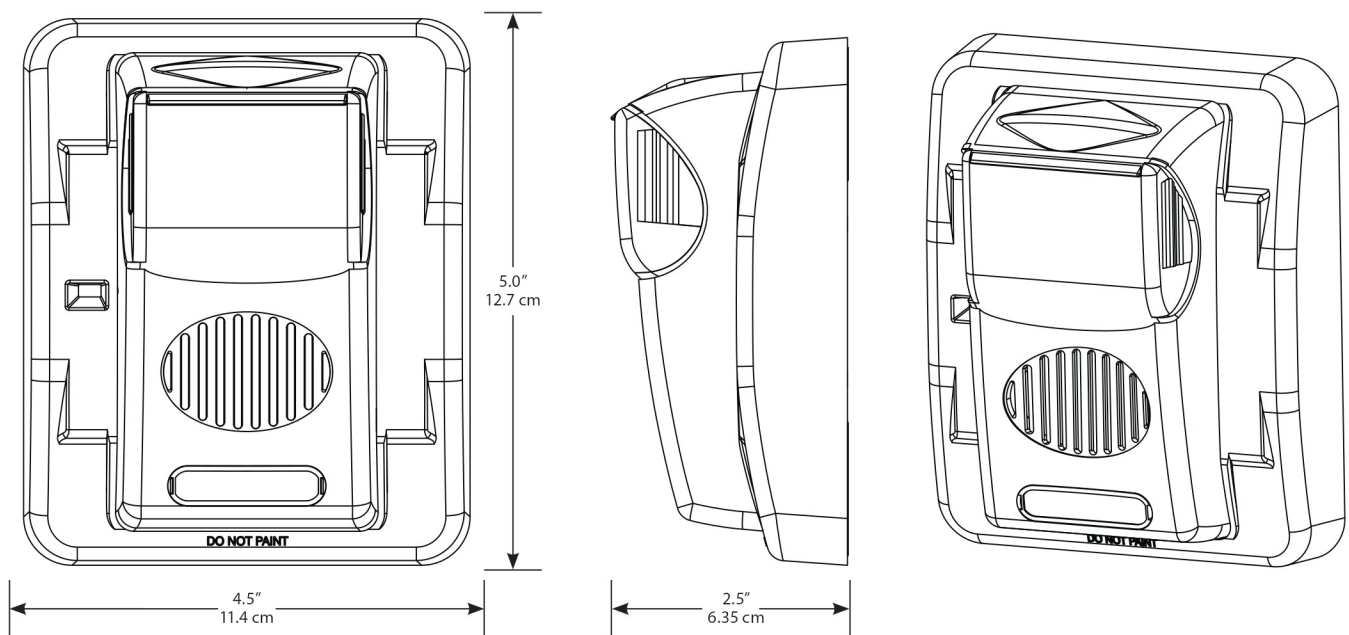
GE3 Colored Lens Series Strobe Current Ratings

Amber Lens Current Ratings						Blue / Green / Red Lens Current Ratings				
Candela	15 cd	30 cd	60 cd	75 cd	110 cd	15 cd	30 cd	60 cd	75 cd	110 cd
UL Max	47 mA	64 mA	113 mA	145 mA	178 mA	105 mA	130mA	203mA	243mA	310mA

GE3 Colored Lens Series Horn Decibel (dBA) and Current Ratings (mA)

Horn Mode	Horn Decibel Levels (dBA)		Horn Current Ratings (mA)
	Minimum SPL at 10ft. per ANSI/UL 464 (HIGH)	Minimum SPL at 10ft. per ANSI/UL 464 (LOW)	UL MAX Regulated 24 VDC Operating Current (HIGH)
Temp 3 2400Hz	78 dBA	71 dBA*	28 mA
Temp 3 Mechanical	76 dBA	70 dBA*	25 mA
Temp 3 Chime	70 dBA*	66 dBA*	15 mA
Continuous 2400Hz	81 dBA	74 dBA*	28 mA
Continuous Mechanical	80 dBA	72 dBA*	25 mA
Continuous Chime	70 dBA*	66 dBA*	15 mA
Whoop	82 dBA	69 dBA*	56 mA

* Operating the horn in this mode at this voltage will result in not meeting the minimum ANSI/UL 464 reverberant sound level required for public mode fire protection service. These settings are acceptable only for private mode fire alarm use. Use the high dBA setting for public mode application (not applicable when using the chime tone. The chime tone is always private mode).



Gentex Super-Slide® Mounting Bracket

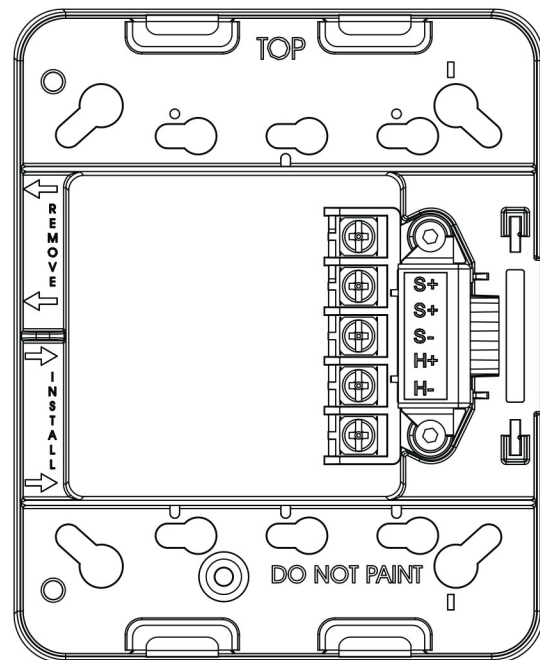
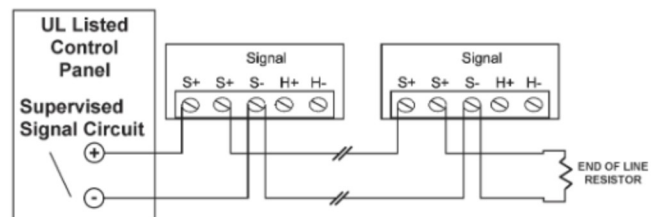
Allows the installer to prewire the system, test for system supervision, remove the signal head until occupancy, switch out Gentex signals without changing mounting brackets and has locking edge connector for snap-in-place installation.

Gentex Checkmate® Instant Voltage Verification

It is often necessary to confirm the voltage drop along a line of devices. The access holes are provided in the back of the terminal block to allow the voltage to be measured directly without removing the device. Typically this would be done at the end of the line to confirm design criteria. Most measurements will be taken using the S+ and S- locations although access is provided to other locations. *Notice: Care should be taken to not short the test probes.*

Notes

- Operating temperature: 32° to 120°F (0° to 49°C)
- The GES3/GEC3 Colored Lens Series is not listed for outdoor use
- For nominal and peak current across ANSI/UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual
- The sound output for the temporal 3 tone is rated lower since the time the horn is off is averaged into the sound output rating. While the horn is producing a tone in the temporal 3 mode, its sound pressure is the same as the continuous mode.
- This appliance is not recommended for use on coded or pulsing signaling circuits



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Architect & Engineering Specifications

The audible and/or visible signal shall be Gentex GES3, GEC3 Colored Lens Series or approved equal and shall be listed by Underwriters Laboratories (ANSI/UL) per ANSI/UL 1638 and/or ANSI/UL 464 and CAN/ULC S526 and/or CAN/ULC S525 and shall have compliance with the polar dispersion requirements of ANSI/UL 1971. The notification appliance (GEC3 Colored Lens Series) shall produce a peak sound output of 100 dBA or greater as measured in an anechoic chamber and shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of power wires. Additionally, the user shall be able to select either continuous or temporal tone output with the temporal signal having the ability to be synchronized. The unit shall be capable of being installed so that any unauthorized attempt to change the candela setting will result in a trouble signal at the fire alarm control panel. The audible/visible and visible signaling appliance shall also maintain a minimum flash rate of 1 Hz or up to 2 Hz regardless of power input voltage. The appliance shall have an operating current of 47 mA or less at 24 VDC for the 15 Cd strobe circuit with an amber lens. The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with a mounting bracket with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox without the use of an adapter plate. The GE3 Colored Lens Series shall be mounted on the wall. The unit shall have an input voltage range of 16-33 volts with either direct current of full wave rectified power for 24 volt models. The appliance shall be capable of testing supervision without disconnecting wires, verify voltage at the unit without removing unit and be capable of mounting to a surface back box.