

Commander³ Series Colored Lens Signals

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 Commander³ Colored Lens Series has a minimal operation current and has a minimum flash rate of 1Hz regardless of input voltage.

The Commander³ Colored Lens Series is shipped with a die cast 4" mounting bracket which incorporates the popular Super-Slide[®] feature that allows the installer to easily pre-wire the system and 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 Checkmate[®] - Instant Voltage Verification Feature which allows the installer to check the voltage drop, current draw and match it against the blue print.

The Commander³ Colored Lens Series are ANSI/UL1638 and ANSI/UL464 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 Series is warranted for three years from date of purchase.

Standard Features

- Nominal voltage 24VDC
- Tamperproof 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
- Synchronize strobe and/or horn with Gentex AVSM Control Module
- 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 chime, whoop, mechanical and 2400Hz tone
- Switch for continuous or temporal 3 (not available on whoop tone)
- Tamperproof re-entrant grill
- Surface mount with the GSB (Gentex Surface Mount Box)
- Silence audible while visual appliance will remain flashing (for use in accepted jurisdictions)
- Faceplate available in red or off-white

GEC3/GES3 Colored Lens SERIES



Lens available in Amber, Blue, Green and Red Colors Product Listings



- ANSI/UL 464 & ANSI/UL 1638 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 Number	Part Number	Lens Color	Nominal Voltage	Candela (ANSI/UL 1638)
GESA24PWR	904-1335-002	Amber	24 VDC	15, 30, 60, 75, 110
GESA24PWW	904-1336-002	Amber	24VDC	15, 30, 60, 75, 110
GESB24PWR	904-1337-002	Blue	24VDC	15, 30, 60, 75, 110
GESB24PWW	904-1338-002	Blue	24VDC	15, 30, 60, 75, 110
GESG24PWR	904-1339-002	Green	24VDC	15, 30, 60, 75, 110
GESG24PWW	904-1340-002	Green	24VDC	15, 30, 60, 75, 110
GESR24PWR	904-1341-002	Red	24VDC	15, 30, 60, 75, 110
GESR24PWW	904-1342-002	Red	24 VDC	15, 30, 60, 75, 110

GEC3 Colored Lens Horn/Strobe, Selectable Candela Low Profile

Model Number	Part Number	Lens Color	Nominal Voltage	Candela (ANSI/UL 1638)	Reverberant dBA at 10ft. per ANSI/UL 464	In Anechoic Room dBA at 10ft.
GECA24PWR	904-1327-002	Amber	24 VDC	15, 30, 60, 75, 110	62-82	100
GECA24PWW	904-1328-002	Amber	24 VDC	15, 30, 60, 75, 110	62-82	100
GECB24PWR	904-1329-002	Blue	24 VDC	15, 30, 60, 75, 110	62-82	100
GECB24PWW	904-1330-002	Blue	24 VDC	15, 30, 60, 75, 110	62-82	100
GECG24PWR	904-1331-002	Green	24 VDC	15, 30, 60, 75, 110	62-82	100
GECG24PWW	904-1332-002	Green	24 VDC	15, 30, 60, 75, 110	62-82	100
GECR24PWR	904-1333-002	Red	24 VDC	15, 30, 60, 75, 110	62-82	100
GECR24PWW	904-1334-002	Red	24 VDC	15, 30, 60, 75, 110	62-82	100

Model Designations:

"P" = Plain (no lettering)

"W" = Wall Mount

"R" = Red Faceplate

"W" = Off-White Faceplate

Lens Colors: "A" = Amber

"B" = Blue

"G" = Green

"R" = Red

ALERT bezel available for order

AGENT bezel available for order

GE3 Amber Lens Strobe Current Ratings					
Candela	15cd	30cd	60cd	75cd	110cd
UL Max ¹	47mA	64mA	113mA	145mA	178mA

GE3 Blue, Green and Red Lens Strobe Current Ratings					
Candela	15cd	30cd	60cd	75cd	110cd
UL Max ¹	105mA	130mA	203mA	243mA	310mA

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

NOTES:

- Operating temperature: 32° to 120°F (0° to 49°C). The GE3 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.
- Gentex does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see Technical Bulletin Number 014).**
- 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.

* 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).

¹ RMS current ratings are per ANSI/UL average RMS method. ANSI/UL max current rating is the maximum RMS current within the listed voltage range (16-33VDC for 24VDC units). For strobes the UL max current is usually at the minimum listed voltage (16VDC for 24VDC units). For audibles the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.