Advanced

Axis AX

Commander 4 Series

The GCS/GCC Series is a ceiling mount strobe or horn/strobe combination that offers dependable audible and visual alarms and the lowest current available.

The GCS/GCC offers tamperproof field selectable candela options of 15, 30, 75, 95, 115 and 150 candela.

The GCC horn provides a continuous or sync-able temporal three in 2400Hz or mechanical tone. These tones are easy for the professional to change in the field by using switches. The models are shipped from the factory in the temporal three-alarm mode.

The GC Series has a minimal operating current and has a minimum flash rate of 1Hz regardless of input voltage.

The Commander 4 Series comes standard with the 4” mounting plate which incorporates the popular Super-Slide TM feature that allows the installer to test for supervision easily.

The Commander 4 also features the Checkmate TM - Instant Voltage Verification feature which allows the installer to check the voltage without removing the signal.

The GC Series appliances are UL 464 and UL 1971 listed for use with fire protective systems and are warranted for three years from the date of purchase.



Features

- Field Selectable Candela Options (15, 30, 75, 95, 115 and 150 candela)
- Super-Slide TM Bracket - Ease of Supervision Testing
- Checkmate TM - Instant Voltage Verification
- Switch Selection for High or Low dBA
- Silence Horn while Strobes Remain Flashing
- Unit Dimensions: 6” x 2.6”
- Lower Installation and Operating Costs
- Input terminals 12 to 18 AWG
- Switch for Mechanical and 2400Hz Tone
- Tamperproof Re-entrant Grill
- Switch for Continuous or Temporal 3
- Faceplate Available in Red or Off-White

Listings and Approvals

- UL 464 & UL 1971 Listed
- CAN/ULC S526-M87 Listed
- ULSZ7.S3406 Listed (GCC)
- FM Approved
- CSFM:
  - 7135-0569:122 (GCC)
  - 7125-0569:123 (GCS)
- BS+A/MEA: 285-91-E

GCS 24 Volt Ceiling Mount Selectable Strobe

Model Number	Part Number	Nominal Voltage	Candela
GCS24CR	904-1213-002	24 VDC	15, 30, 75, 95, 115, 150
GCS24CW	904-1215-002	24 VDC	15, 30, 75, 95, 115, 150

GCS 24 Volt Ceiling Mount Selectable Horn/Stobe

Model Number	Part Number	Nominal Voltage	Candela	Reverberant dBA @ 10 ft. Per UL 464[1]	In Anechoic Room dBA @ 10ft.
GCC24CR	904-1209-002	24 VDC	15, 30, 75, 95, 115, 150	81-86	90
GCC24CW	904-1211-002	24 VDC	15, 30, 75, 95, 115, 150	81-86	90

Notes:

- The GC Series is not listed for outdoor use.
- Operating temperature: 32ºF to 120ºF (0ºC to 49ºC)
- For nominal and peak current across 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 for more information).

Model Designations:
'P' = Plain (no lettering), 'C' = Ceiling Mount, 'R' = Red Faceplate, 'W' = Off-White Faceplate

GCS/GCC Product Strobe Current Ratings

Candela	15cd	30cd	75cd	95cd	115cd	150cd
24 VDC	72mA	101mA	167mA	200mA	214mA	286mA
UL Max[2]	120mA	130mA	247mA	318mA	360mA	454mA

Horn Mode	Minimum dBA @ 10ft. Per UL 464 (High)	Minimum dBA @ 10ft. Per UL 464 (Low)	Regulated 24 VDC Max. Operating @ High Setting (mA)
Temp 3 2400Hz	83	75	23
Temp 3 Mechanical	21	73*	22
Continuous 2400Hz	86	78	23
Continuous Mechanical	84	76	22

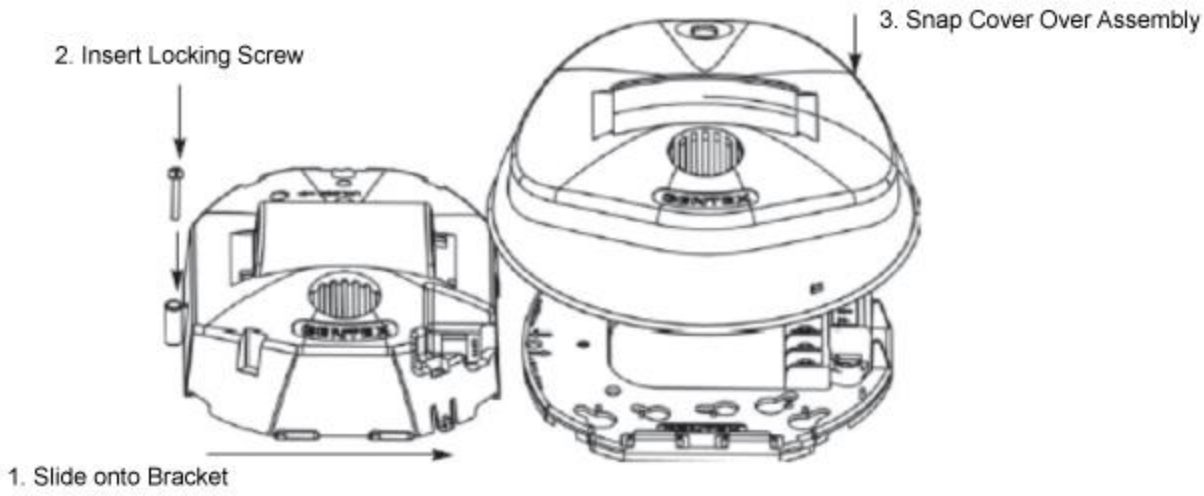
* Operating the horn in this mode at this voltage will result in not meeting the minimum UL reverberant sound level required for public mode fire protection service. These settings are acceptable only for private mode fire alarm use. Use the high dBA setting for public mode application.

Notes: 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 continuous mode. To obtain horn/strobe current draw, add the strobe current draw to and the horn current draw.

[1] The listed horn current draws are for the Continuous Tone mode. The Temporal 3 Tone has a reverberant dBA @ 10ft. Per UL 464 is 77-83 with a horn current draw of 34mA
[2] RMS current ratings are per UL average RMS method. UL max current rating is the maximum RMS current within the listed voltage range (16-33 VDC for 24 VDC units and 8-17 VDC for 12 VDC units). For strobes, the UL max current is usually at the minimum listed voltage (16 VDC for 24 VDC units or 8 VDC for 12 VDC units). For Audibles, the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

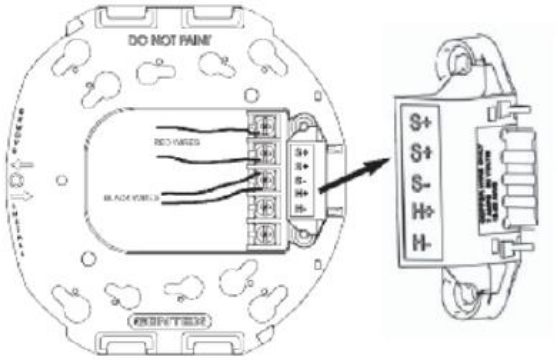
Mounting Super Slide TM

Mounting Super-Slide ™



Checkmate TM Instant Voltage Verification

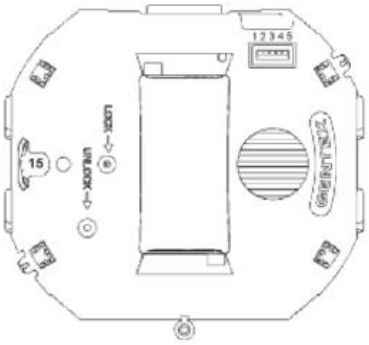
Checkmate ™ Instant Voltage Verification



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. Note: Care should be taken not to short the test probes.

Switch Locations

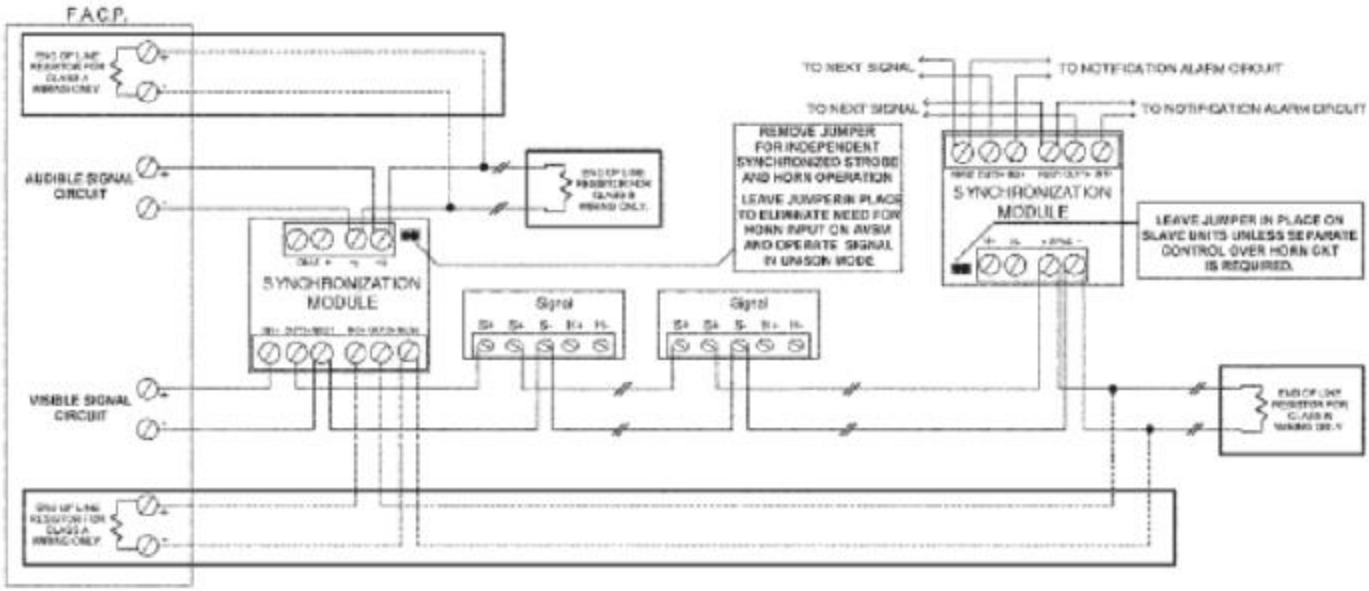
Switch Locations



Switch positions 1 and 2 in the down position to select isolated horn and strobe power inputs. Switch 3 selects between temporal or non-temporal tone, up is temporal. Switch 4 selects between mechanical or high-frequency tone, up is mechanical. Switch 5 selects between high or low dBA, up is high dBA.

Wiring Diagram

Wiring Diagram GCS/GCC Series With Gentex Synchronization Module



Note: See technical bulletin 015 for proper synchronization module for the application.

Specification

The visible and audible/visible signal shall be Gentex model GC5 or GCC or approved equal and shall be listed by Underwriters Laboratories Inc. per UL 1971 for the GCS and also UL 464 for the GCC. The notification appliance shall also be listed with the California State Fire Marshal (CSFM) and the Bureau of Standards and Appeals (NYC).

The notification appliance (combination audible/visible units only) shall produce a peak sound output of 90dBA or greater as measured in an anechoic chamber. The signaling appliance 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 audible/visible and visible signaling appliance shall also maintain a minimum flash rate of 1 Hz or up to 2Hz regardless of power input voltage. The appliance shall have an operating current of 72mA or less at 24 VDC for the 15 Cd circuit.

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 output/input wiring and be able to mount to a single gang, double gang box or double workbox with the use of an adaptor plate. The unit shall have an input voltage range of 16-33 volts with either direct current, or full wave rectified power.

The appliance shall be capable of test supervision without disconnecting wires. Also, the appliance shall be capable of mounting to a surface box. The unit shall also be able to verify voltage at the unit without removing the unit.

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Low Current Mini-Horn

The GX93 Series mini-horn is a high quality remote audible signaling appliance that offers dependable remote annunciation. The GX93 is ideal for applications where a dependable audible alarm signal is required in applications such as hotels, dormitories, and apartments. The GX93 is listed for use with both filtered and unfiltered power and a jumper is provided to select either temporal 3 or continuous tone.

The GX93 can be utilized on the same sync circuit (AVSM Series Control Module) as other Gentex signals. The GX93 Series is ANSI/UL 464 listed for use with fire protective systems and are warranted for three years from the date of purchase.

Note: 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.



Features

- 12 or 24 VDC Operation
- Jumper Selectable Temporal 3 or Continuous Tone
- Horn Frequency 3100Hz
- ANSI/UL 464 Listed for Fire Protective Service
- Low Current Consumption
- Unit Dimensions: 4.48” high x 2.84” wide x 0.5” deep
- Input Terminals 12 to 18 AWG
- Variety of Mounting Options
- Textured High Impact Plastic Faceplate (red or off-white)

Listings and Approvals

- ANSI/UL 464 Listed
- CSFM: 7135-0569:126
- MEA: 285-91-E-XVI

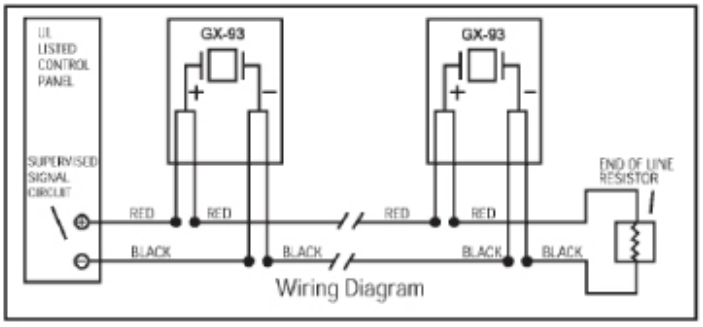
GX93 Current Ratings

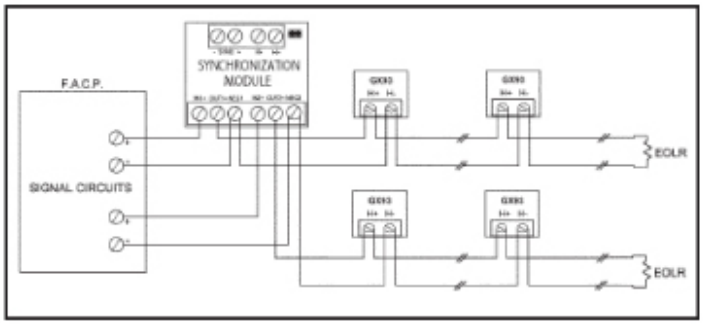
24 VDC	22mA
24 VDC UL Max[1]	18mA
12 VDC UL Max[1]	13mA

Horn Mode	Minimum SPL at 10 Feet Per ANSI/UL 464 at 12 VDC	Minimum SPL at 10 Feet Per ANSI/UL 464 at 12 VDC	Reverberant dBA at 10 Feet Per ANSI/UL 464	In Anechoic Room dBA @ 10ft.
Temporal 3	81 dBA	78 dBA	78-86	90
Continuous	86 dBA	83 dBA	78-86	90

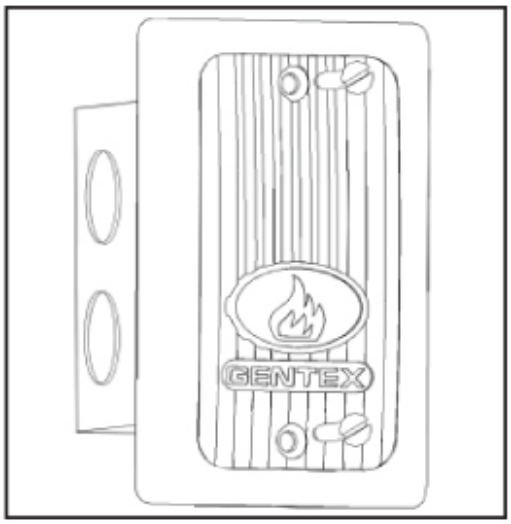
[1] RMS current ratings are per ANSI/UL average RMS method. ANSI/UL max current rating is the maximum RMS current within the listed voltage range (16-33VDC for 24VDC units) (8-17VDC for 12VDC units). For strobes, the ANSI/UL max current is usually at the minimum listed voltage (16VDC for 24VDC units) (8VDC for 12VDC units). For audibles, the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

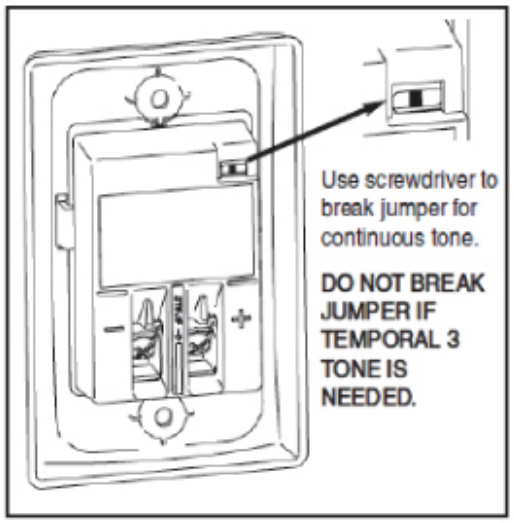
Wiring Diagram





Mounting Diagram





Order Codes and Options

GX93-R	Red Mini-Horn w/Standard Faceplate
GX93-W	Off-White Mini-Horn w/Standard Faceplate

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SSPKCLP Series

The Gentex SSPK24CLP is a ceiling mount, selectable candela speaker/strobe, and the SSPKCLP is a ceiling or wall mount speaker designed to meet code requirements for audio, visual and voice communications. The SSPKCLP Series are quality speaker products that offer both dependable evacuation signaling and visual alarms, or a combination of both. The SSPK24CLP has high output tamperproof candela selections are 15, 30, 75, 95 and 115.

The SSPKCLP Series can be mounted in a 4” square x 2-1/8” deep back box, an extension ring is not needed.

The SSPKCLP 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. The SSPK24CLP strobes can be synchronized by using the Gentex Synchronization Control Module, FACP’ s or power supplies that include the Gentex Synchronization Protocol.

The SSPKCLP Series grills are constructed of high impact textured plastic.

The SSPKCLP is warranted for 3 years from the date of purchase. The SSPKCLP devices are UL 1971 listed for use with fire protective signaling systems.

Speaker dBA @ 10ft.

Input Watts	25 Volts	70.7 Volts
1/8	74.6 dBA	73.7 dBA
1/4	77.7 dBA	76.7 dBA
1/2	80.5 dBA	79.6 dBA
1	83.1 dBA	82.5 dBA
2	85.6 dBA	85.4 dBA
4	87.9 dBA	87.9 dBA

Low Profile Evacuation Speakers and Speaker/Strobes

Model Number	Description	Part Number
28-SSPKCLPR	Speaker	904-1445-002
28-SSPKCLPW	Speaker	904-1446-002
28-SSPK24CLPR	Speaker/Strobe	904-1441-002
28-SSPK24CLPW	Speaker/Strobe	904-1443-002



Features

- Tamperproof Selectable Candela 15, 30 75, 95 and 115
- High-Quality dBA Output (Intelligible)
- Frequency Range 400-4000Hz
- Tamperproof Grill
- Faceplate Available Red or Off-White
- Speaker Voltage 25 or 70.7 VRMS Standard, Field Selectable
- Unit Dimensions: 6.1” Square x 1.88” Deep
- SSPK24CLP Ceiling Mounting to Standard 4” x 2 1/8” Deep Back Box
- SSPKCLP Ceiling or Wall Mounting to Standard 4” x 2 1/8” Deep Back Box
- Field Selectable Power Taps 1/8, 1/4, 1/2, 1, 2, 4 watt

Listings and Approvals

- UL Listed: 1480, 1971 and 2043
- CSFM: 7320-0569:137
- MEA: 580-06-E

Note: The SSPKCLP Series is not listed for outdoor use. Operating temperature: 32°to 120°F (0° to 49°C). Gentex does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see technical bulletin number 014).

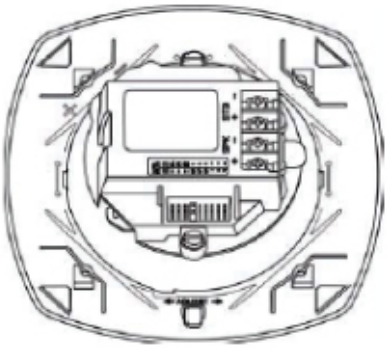
"R" = Red Faceplate, "W" = Off-White Faceplate, "P" = Plain (No Lettering) Available with all models.

Ceiling Mount Strobe Current Ratings

Candela	15cd	30cd	75cd	95cd	115cd
24 VDC	72mA	88mA	176mA	200mA	214mA
UL Max[1]	120mA	130mA	272mA	318mA	360mA

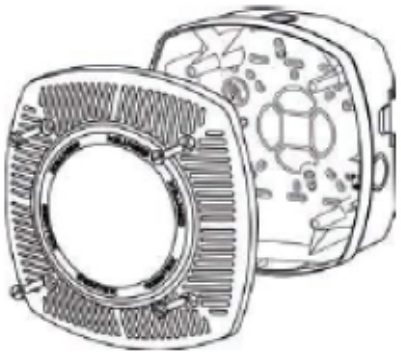
[1] RMS current ratings are per UL average RMS method. UL maximum current rating is the maximum RMS current within the listed voltage range (16-33VDC for 24VDC units) (8-17VDC for 12VDC units). For strobes, the UL max current is usually at the minimum listed voltage (16VDC for 24VDC units) (8VDC for 12VDC units). For audibles, the maximum current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

SSPK24CLP Candela Selection



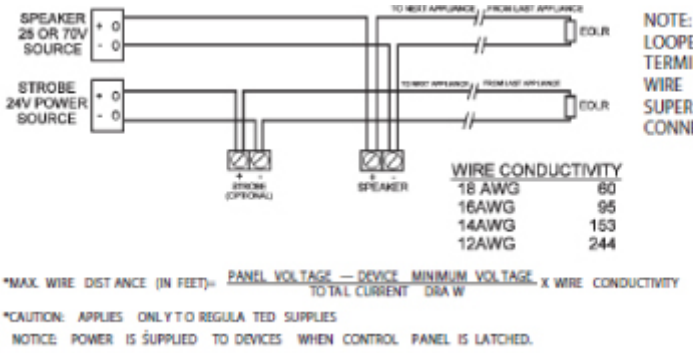
Adjust brightness by turning dial with screwdriver. Candela selection is displayed on front of unit.

SSPKCLP Mounting Diagram

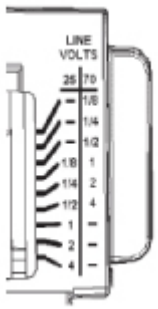


Mounts to a standard 4" square x 2-1/8" back box or to Gentex GBLP surface back box.

Wiring Diagram



Power Tap Selection



Specification

The fire alarm speaker shall be Gentex SSPKCLP, SSPK24CLP or equivalent. 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 ratings at 1/4 watt shall be 76.7 dBA and at 4 watts 87.9 dBA. Tap settings shall be adjustable with field selectable jumper pins. The speaker shall also have an optional visual signal capacity.

The visual signal shall have 1Hz flash rate regardless of input voltage. All wiring connections shall be made via separate in-out terminal connections and the speaker, or speaker strobe shall be UL, CSFM and BS&A/MEA listed and compliant with all local, state and federal fire alarm codes/standards.

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SSPKWLP Series

The Gentex SSPK24WLP Series are wall mount, selectable candela speaker/strobes designed to meet code requirements for audio, visual and voice communications. The SSPK24WLP Series are quality speaker products that offer both dependable evacuation signaling and visual alarms, or a combination of both. The high output tamperproof candela selections are 15, 30, 60, 75, 110. A fixed 15/75 candela unit is also available.

The SSPK24WLP can be mounted in a 4” square x 2-1/8” deep back box, an extension ring is not needed.

The SSPK24WLP 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. The SSPK24WLP strobes can be synchronized by using the Gentex Synchronization Control Module, FACP’ s or power supplies that include the Gentex Synchronization Protocol.

The SSPK24WLP Series grills are constructed of high impact textured plastic.

The SSPK24WLP is warranted for 3 years from the date of purchase. The SSPK24WLP devices are UL listed for fire protective services per UL 1480, the selectable candela strobe unit is listed to UL 1971, and the 15/75 unit is listed to UL 1638 and UL 1971.

Low Profile Evacuation Speakers and Speak/Strobes

Model Number	Description	Part Number
28-SSPKCLPR	Speaker	904-1445-002
28-SSPKCLPW	Speaker	904-1446-002
28-SSPK24WLPR	Speaker/Strobe	904-1413-002
28-SSPK24WLPW	Speaker/Strobe	904-1415-002
28-SSPK24-15/75WLPR	Speaker/Strobe	904-1417-002
28-SSPK24-15/75WLPW	Speaker/Strobe	904-1419-002



Features

- Tamperproof Selectable Candela 15, 30 60, 75 and 110
- Fixed 15/75 Candela
- High-Quality dBA Output (Intelligible)
- Frequency Range 400-4000Hz
- Tamperproof Grill
- Unit Dimensions: 6.1” Square x 1.88” Deep
- Wall Mounting to Standard 4” x 2 1/8” Deep Back Box
- Field Selectable Power Taps 1/8, 1/4, 1/2, 1, 2, 4 Watt
- Speaker Voltage 25 or 70.7 VRMS Standard, Field Selectable
- Faceplate Available in Red or Off-White

Listings and Approvals

- UL Listed: 138, 1971 and 1480
- MEA: 580-06-E
- CSFM:
  - 7320-0569:140 (SSPK24WLP Series)
  - 7320-0569:137 (SSPKCLP Series)

Speaker dBA @ 10 ft.

Input Watts	25 Volts	70.7 Volts
1/8	74.6 dBA	73.7 dBA
1/4	77.7 dBA	76.7 dBA
1/2	80.5 dBA	79.6 dBA
1	83.1 dBA	82.5 dBA
2	85.6 dBA	85.4 dBA
4	87.9 dBA	87.9 dBA

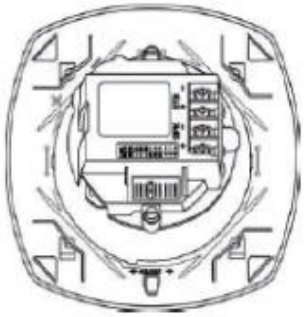
Note: The SSPK24WLP Series is not listed for outdoor use. Operating temperature: 32°to 120°F (0° to 49° C). Gentex does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see technical bulletin number 014). "R" = Red Faceplate, "W" = Off-White Faceplate, "P" = Plain (no lettering) Available with all models.

SSPK24WLP Wall Mount Strobe Current Ratings

Candela	15cd	30cd	60cd	75cd	110cd	15/75
24 VDC	55mA	63mA	88mA	112mA	136mA	63mA
UL Max[1]	78mA	96mA	137mA	180mA	224mA	96mA

1 RMS current ratings are per UL average RMS method. UL maximum current rating is the maximum RMS current within the listed voltage range (16-33VDC for 24VDC units) (8-17VDC for 12VDC units). For strobes, the UL max current is usually at the minimum listed voltage (16VDC for 24VDC units) (8VDC for 12VDC units). For audibles, the maximum current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

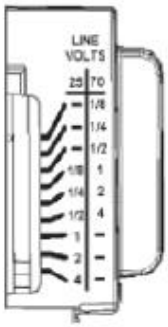
SSPK24WLP Candela Selection



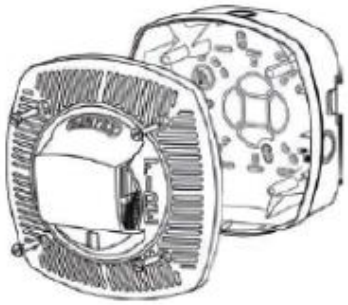
Adjust brightness by turning dial with screwdriver. Candela selection is displayed on front of unit.

Note: Does not apply to fixed 15/75 candela unit

Power Tap Selection

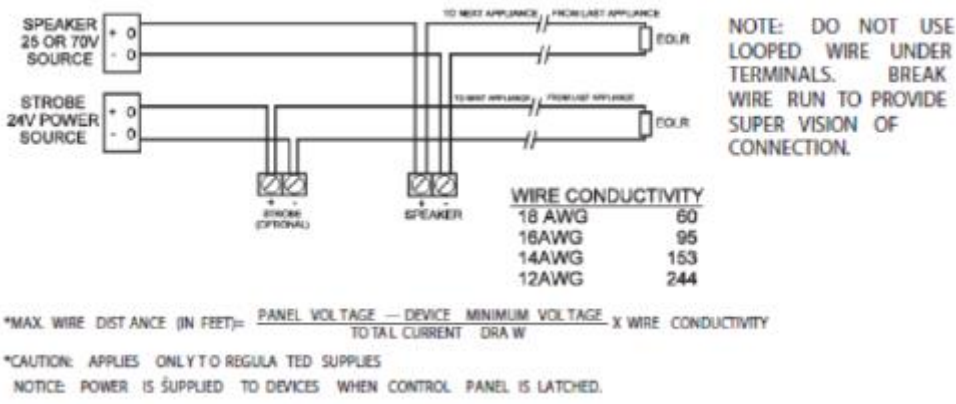


SSPK24WLP Mounting Diagram



Mounts to a standard 4" square x 2-1/8" back box or to Gentex GBLP surface back box.

Wiring Diagram



Specification

The fire alarm speaker shall be Gentex SSPK24WLP or equivalent. 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 1/4 watt shall be 76.7 dBA and at 4 watts 87.9 dBA. Tap settings shall be adjustable with field selectable jumper pins. The speaker shall also have an operational visual signal capability.

The visual signal shall have 1Hz flash rate regardless of input voltage. All field wiring connections shall be made via separate in-out terminal connections and the speaker, or speaker strobe shall be UL, CSFM and BS&A/MEA listed and compliant with all local, state and federal fire alarm codes/standards.

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