

GENTEX

WGE SERIES

Weatherproof Commander Series Evacuation Signals

Applications

The Weatherproof Commander Series is a low profile Strobe, horn or horn/strobe combination that offers dependable visible and/or audible alarms. The WGE Series horns offer a new synchable chime and whoop tone and provide a selection of high or low dBA as well as a selection of a 2400 Hz (remote signaling) or a low frequency broad band 1500-3000Hz mechanical sounding (evacuation) tone.

The WGE Series are easily field changeable from temporal 3 to a continuous tone by simply removing a jumper. The WGE is shipped from the factory on the temporal lower frequency mode and it comes standard with a rugged die cast metal mounting plate.

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

The Weatherproof Series is equipped with the Super Slide™ feature to test supervision. Included with the unit is the GOE weatherproof enclosure. The unit and GOE enclosure must be used together to meet the UL outdoor listing.

The WGE Series appliances are UL 464, UL 1638 listed for use with fire protective systems and are warranted for three years from date of purchase.



WGES **WGEC**

Shown with the GOE weatherproof enclosure

Standard Features

- Prewire Entire System, Then Install Your Signals
- Ease of Supervision Testing (Super Slide™)
- True Evacuation Tone
- Jumper Selection for High or Low dBA
- Jumper Selection for High or Low Frequency
- Jumper for Temporal 3
- Tamperproof Re-entrant Grill
- Wide Voltage Range 16-33 VDC or FWR
- Separate Horn and Strobe Functions
- Synchronize Strobe and/or Horn by Using the AVS-44 Control Module
- Listed for outdoor use when used with the GOE enclosure
- Silence Horn While Strobes Remain Flashing
- Lower Installation and Operating Costs
- Input Terminals 12 to 18 AWG
- Rugged Die Cast Metal Mounting Bracket
- Available in Red or Off-White
- 75 Candela Strobe Meets ADA 4.28.3 Requirements

Approvals



- Americans with Disabilities Act (ADA 4.28.3)
- BFP (City of Chicago)
- BS+A/MEA #285-91E-XVI
- CSFM 7135-0569:122 7125-0569:123
7300-0569:124
- NFPA 72
- UL 464, UL 1638

State Listings are Pending

Model designations:

- "W" = Wall Mount
- "R" = Red Faceplate
- "W" = Off-White Faceplate
- "P" = Plain (no lettering)
- Plain units are non-returnable.

Model Number	Part Number	Nominal Voltage	Candela
GEH24R	904-1205-2	24VDC	----
GEH24W	904-1207-2	24VDC	----
WGES-75WR	904-1219-2	24VDC	75 UL1638
WGES-75WW	904-1220-2	24VDC	75 UL1638
WGEC-75WR	904-1217-2	24VDC	75 UL1638
WGEC-75WW	904-1218-2	24VDC	75 UL1638

Operating temperature: Indoor: 32° to 120°F 0° to 49°C
 Outdoor: -31° to 150°F -35° to 66°C

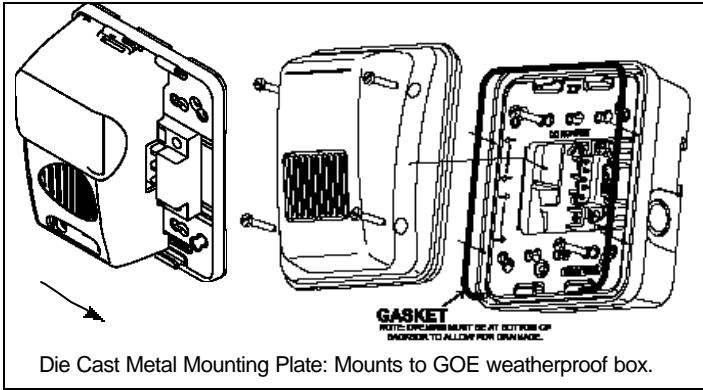
	DBA @ 10 ft. per UL464 (High)			DBA @ 10 ft. per UL464 (Low)			DC (mA)		
	16v	24v	33v	16v	24v	33v	16v	24v	33v
Horn Mode	78	83	84	71*	75	77	13	19	24
Temp 3 2400Hz	76	81	82	70*	73*	76	11	16	22
Temp 3 Mechanical	70*	71*	71*	66*	68*	70*	9	12	15
Continuous 2400Hz	81	86	87	74*	78	80	14	21	28
Continuous Mechanical	80	84	85	72*	76	78	13	18	25
Continuous Chime	70*	71*	73*	66*	68*	70*	10	12	15
Whoop	82	83	83	69*	72*	75	43	51	56

*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 (not applicable when using the chime tone. The chime tone is always private mode).
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 the continuous mode.

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Mounting Super Slide™



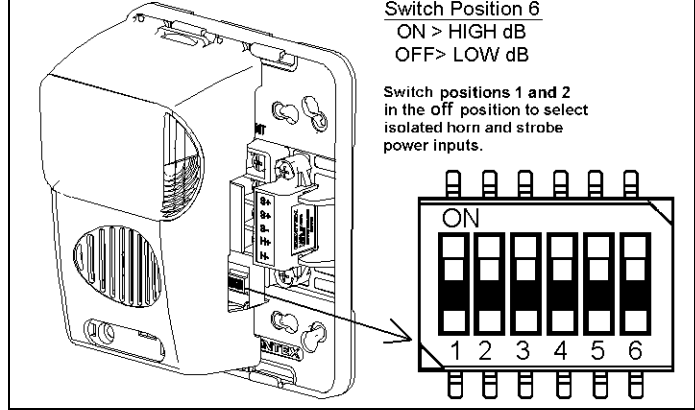
RMS Current Draw @ 24VDC	
Horn	Strobe
21mA	112mA

Switch Locations

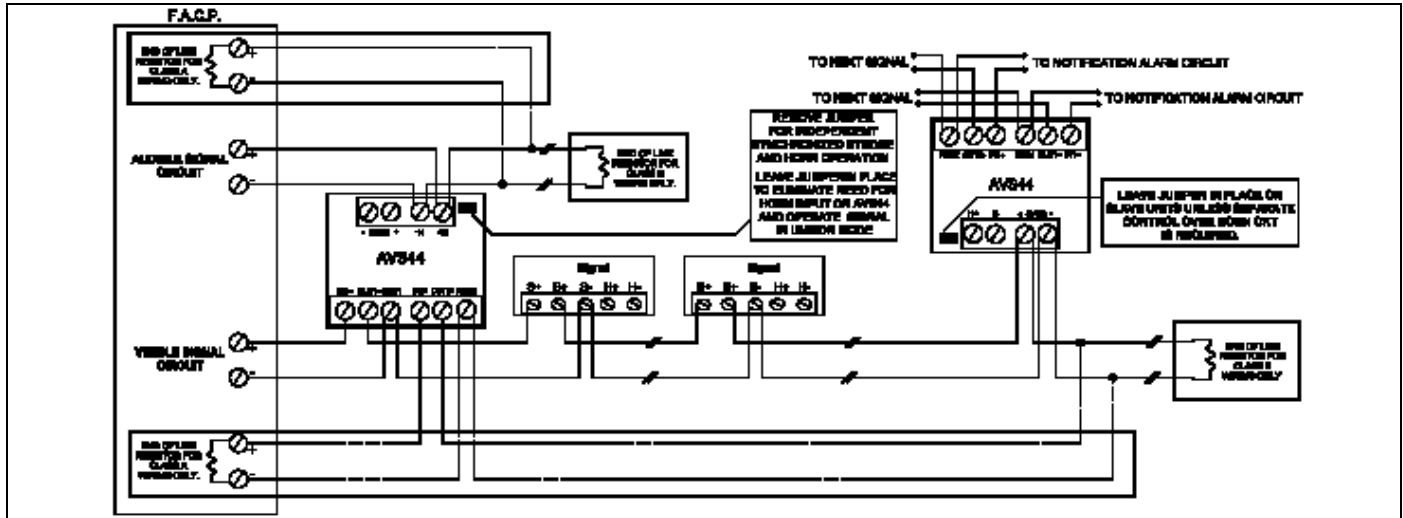
	SWITCH POSITION		
	3	4	5
Mechanical-Temp.	ON	ON	ON
Mechanical-Cont.	OFF	ON	ON
Hi-Temp.	ON	OFF	ON
Hi-Cont.	OFF	OFF	ON
Chime-Temp.	ON	ON	OFF
Chime-Cont.	OFF	ON	OFF
Whoop	ON	OFF	OFF
Whoop	OFF	OFF	OFF

Switch Position 6
ON > HIGH dB
OFF > LOW dB

Switch positions 1 and 2
in the off position to select
isolated horn and strobe
power inputs.



Wiring Diagram WGE Series



Architect & Engineering Specifications

The audible and/or visible signal shall be Gentex WGE Series or approved equal and shall be listed by Underwriters Laboratories Inc. per UL 1638 and/or UL 464. The notification appliance shall also be listed with the California State Fire Marshall (CSFM) and the Bureau of Standards and Appeals (NYC).

The notification appliance (combination audible/visible and audible units only) shall produce a peak sound output of 100dBA 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 1Hz or greater regardless of power input voltage. The appliance shall also be capable of meeting the candela requirements of the ADA (75Cd).

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 unit shall have an input voltage range of 16-33 volts with either direct current of 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 back box. The WGE unit must be used with the GOE outdoor enclosure to meet UL outdoor listing.

GENTEX CORPORATION

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Gentex corporation reserves the right to make changes to the product data sheets at their discretion.

24 units per carton
27 pounds per carton

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