



# HSG1 Series Horn

Frequency Evacuation Signals

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## Description

The Commander2 Series is a low profile horn that offers dependable audible alarms and the lowest current available.

The Commander2 Series horn offers a continuous or sync-able temporal 3 in 2400 Hz and mechanical tone, a chime as well as a whoop tone. All tones are easy for the professional to change in the field by using switches.

The HS Series has minimal operation current and has a minimum of input voltage.

The Commander2 Series is shipped with the standard 4" mounting plate which incorporates the popular SuperSlide™ 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 Commander2 Series also features the Checkmate™ Instant Voltage Verification feature which allows the installer to check the voltage without removing the signal.

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

## Features

- Unit Dimensions: 5" high x 4.5" wide x 2.5" deep
- Pre-wire Entire System, Then Install Your Signals
- SuperSlide™ Bracket Ease of Supervision Testing
- Checkmate™ Instant Voltage Verification
- Lower Installation and Operating Cost
- Input Terminals 12 to 18 AW
- Switch Selection for High or Low dB



- Switch for Chime, Whoop Mechanical and 2400 Hz Ton
- Switch for Continuous or Temporal 3 (not available on whoop tone)
- Tamper-proof Re-entrant Grill
- Surface Mount with the GSB
- Wide Voltage Range 16 - 33 VDC or FWR
- Faceplate Available in Red or Off-White

## Ordering Information

Model Number	Part Number	Description
HG-24V	360-2000R	Horn only, Red
HG-24V	360-2100W	Horn only, White
AVS44	360-1504R	Sync Module for 24VDC

HS-24 Product Horn Current Ratings			
Horn Mode	Minimum dBA @ 10ft. Per UL464 (HIGH)	Minimum dBA @ 10ft. per UL464 (LOW)	Regulated 24 VDC Max. Operating @ High Setting (mA)
Temp 3 2400 Hz	78	71*	28
Temp 3 Mechanical	76	70*	25
Temp 3 Chime	70*	66*	15
Continuous 2400 Hz	81	74*	28
Continuous Mechanical	80	72*	25
Continuous Chime	70*	66*	15
Whoop	82	69*	56

HS-12 Product Horn Current Ratings			
Horn Mode	Minimum dBA @ 10ft. Per UL464 (HIGH)	Minimum dBA @ 10ft. Per UL464 (LOW)	Regulated 24 VDC Max. Operating @ High Setting (mA)
Temp 3 2400 Hz	76	69*	29
Temp 3 Mechanical	75	68*	26
Temp 3 Chime	62*	60*	13
Continuous 2400 Hz	79	74*	29
Continuous Mechanical	78	72*	26
Continuous Chime	63*	61*	13
Whoop	78	71*	55

<sup>1</sup>Listed horn current draws are for the Continuous Tone mode. The Temporal 3 Tone has a reverberant dBA @ 10 ft. per UL 464 is 77-83 with a horn current of 34mA.

<sup>2</sup>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) (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) (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.

\*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 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, it's sound pressure is the same as the continuous mode.

**Notes:**

- The GE Series is not listed for outdoor use.
- Operating temperature: 32° to 120° F (0° to 49° C)
- For nominal and peak current across UL regulated voltage range for filtered DC power and unfiltered (FWR {Full Wave Rectified}) power, see 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).
- To obtain the horn/strobe current draw, add the strobe current draw and the horn current draw.

**Model designations:**

- "W" = Wall Mount
- "R" = Red Faceplate
- "W" = Off-White Faceplate
- "P" = Plain (no lettering) - available on all models.

**Plain units are non-returnable.**

"Agent" bezel also available.

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice.