

Commander² Series Low Frequency Evacuation Signals



**HEC/HES/HEH
24VDC SERIES**

APPLICATIONS

The Commander² Series is a low profile strobe, horn or horn/strobe combination that offers dependable audible and audible/visual alarms and the lowest current available.

The HE Series is available in fixed candela options of 15, 30, 60, 75, 110, 177 and 15/75.

The Commander² Series horn offers a continuous or synchable temporal three in 2400Hz 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 HE Series has a minimal operation current and has a minimum flash rate of 1Hz regardless of input voltage. The Commander² Series is shipped with the 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 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 HE 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.

STANDARD FEATURES

- Nominal Voltage 24 VDC (12 VDC available on HEH)
- Fixed Candela Options of 15, 30, 60, 75, 110, 177 and 15/75
- Unit Dimensions: 5" high x 4.5" wide x 2.5" deep
- Prewire Entire System, Then Install Your Signals
- Super-Slide[®] Bracket - Ease of Supervision Testing
- Checkmate[®] - Instant Voltage Verification
- Lower installation and Operating Costs
- Input Terminals 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 HSB (Hochiki Surface Mount Box)
- Synchronize Strobe and/or Horn by Using the Hochiki Synchronization Module (12 VDC product must use the AVSM Module)
- Silence Horn While Strobes Remain Flashing
- Wide Voltage Range 16-33 VDC or FWR
- Faceplate available in red or off-white



- UL 464 & UL 1971 Listed
- FM Approved
- CSFM:
 - 7135-0569:122 GEC-24 & GEH-24 (HA HEC-24 & HEH-24)
 - 7125-0569:123 GES-24 (HA HES-24)
 - 7135-0569:130 GEH-12 (HA HEH-12)
- BS+A/MEA: 285-91-E - XV • BFP (City of Chicago)

Product Compliance

- NFPA 72 • Americans with Disabilities Act (ADA)

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Specifications subject to change without notice.

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HEH 12VDC or 24VDC Low Profile

Model Number	Part Number	Nominal Voltage	Reverberant dBA @ 10ft. Per UL 464 ¹	In Anechoic Room dBA @ 10ft.
HEH12-R	0500-04920	12VDC	70-82	100
HEH12-W	0500-04940	12VDC	70-82	100
HEH24-R	0500-04800	24VDC	70-82	100
HEH24-W	0500-04820	24VDC	70-82	100

HEC 24VDC Low Profile Evacuation Horn/Strobe

Model Number	Part Number	Nominal Voltage	Strobe Candela	Reverberant dBA @ 10ft. Per UL 464 ¹	In Anechoic Room dBA @ 10ft.
HEC24-15WR	0500-04240	24 VDC	15	70-82	100
HEC24-15WW	0500-04380	24 VDC	15	70-82	100
HEC24-30WR	0500-04280	24 VDC	30	70-82	100
HEC24-30WW	0500-04420	24 VDC	30	70-82	100
HEC24-60WR	0500-04300	24 VDC	60	70-82	100
HEC24-60WW	0500-04440	24 VDC	60	70-82	100
HEC24-75WR	0500-04320	24 VDC	75	70-82	100
HEC24-75WW	0500-04460	24 VDC	75	70-82	100
HEC24-110WR	0500-04340	24VDC	110	70-82	100
HEC24-110WW	0500-04480	24VDC	110	70-82	100
HEC24-177WR	0500-04360	24VDC	177	70-82	100
HEC24-177WW	0500-04500	24VDC	177	70-82	100
HEC24-15/75WR	0500-04260	24VDC	15 (UL1971) 75 (UL 1638)	70-82 70-82	100 100
HEC24-15/75WW	0500-04400	24VDC	15 (UL1971) 75 (UL1638)	70-82 70-82	100 100

HES 24VDC Low Profile Evacuation Strobe

Model Number	Part Number	Nominal Voltage	Strobe Candela
HES24-15WR	0500-04520	24VDC	15
HES24-15WW	0500-04660	24VDC	15
HES24-30WR	0500-04560	24VDC	30
HES24-30WW	0500-04700	24VDC	30
HES24-60WR	0500-04580	24VDC	60
HES24-60WW	0500-04720	24VDC	60
HES24-75WR	0500-04600	24VDC	75
HES24-75WW	0500-04740	24VDC	75
HES24-110WR	0500-04620	24VDC	110
HES24-110WW	0500-04760	24VDC	110
HES24-177WR	0500-04640	24VDC	177
HES24-177WW	0500-04780	24VDC	177
HES24-15/75WR	0500-04540	24VDC	15 (UL1971) 75 (UL 1638)
HES24-15/75WW	0500-04680	24VDC	15 (UL1971) 75 (UL 1638)

HE-24 Product Strobe Current Ratings

Candela	15cd	30cd & 15/75cd	60cd	75cd	110cd	177cd
24VDC	55mA	63mA	88mA	112mA	136mA	186mA
UL Max ¹	78mA	96mA	137mA	180mA	224mA	288mA

¹ The listed horn current draws are for the continuous tone mode. The temporal 3 tone has a reverberant dBA @ 10ft. per UL464 is 77-83 with a horn current draw of 34mA.

*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).

¹ RMS current ratings are per UL average RMS method. 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 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.

NOTES:

- To obtain the horn/strobe current draw, add the strobe current draw and the horn current draw.

- Operating temperature: 32° to 120°F (0° to 49° C).

The HE Series is not listed for outdoor use.

- 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.

- For nominal and peak current across UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual. 12VDC models are DC only.

- Hochiki does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see Technical Bulletin 014).

Model Designations:

W = Wall mount

R = Red faceplate

W = Off-white faceplate

P = Plain (no lettering) All units are available in plain (no lettering). When ordering add a "P" to the end of the model number. Plain units are non-returnable.

ALERT bezel available

AGENT bezel available.

HE-24 Product Horn Current Ratings

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

HEH-12 Product Horn Current Ratings

Horn Mode	Minimum dBA @ 10ft. per UL 464 (HIGH)	Minimum dBA @ 10ft. per UL 464 (LOW)	Regulated 12VDC Max. Operating @ High Setting (mA)
Temp 3 2400Hz	76	69*	29
Temp 3 Mechanical	75	68*	26
Temp 3 Chime	62*	60*	13
Continuous 2400Hz	79	74*	29
Continuous Mechanical	78	72*	26
Continuous Chime	63*	61*	13