

Commander³ Series Selectable Candela Evacuation Signals



**HEC3/HES3 12/
24VDC SERIES**

APPLICATIONS

The Commander³ Series is a low profile strobe and horn/strobe combination that offers dependable audible and visual alarms and the lowest current available.

The HE3 Series 24VDC offers tamperproof field selectable candela options of 15, 30, 60, 75, and 110 candela.

The 12VDC offers tamperproof field selectable candela options of 15, 30, 60, and 75 candela. The Commander³ Series horn offers a continuous or synchable temporal three in 2400Hz and mechanical tone, a chime and whoop tone. All tones are easy for the professional to change in the field by using switches.

The HE3 Series has a minimal operation current and has a minimum flash rate of 1Hz regardless of input voltage.

The Commander³ Series is shipped with the standard 4" metal 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 Commander³ also features the Checkmate[®] - Instant Voltage Verification feature which allows the installer to check the voltage drop draw and match it to the blueprint.

The HE3 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.

Specifications subject to change without notice.

STANDARD FEATURES

- Nominal voltage 12VDC and 24VDC
- 24VDC units have field selectable candela options of 15, 30, 60, 75, and 110 candela
- 12VDC units have field selectable candela options of 15, 30, 60, and 75 candela
- HEH horn is available in 12VDC or 24VDC
- Super-Slide[®] Bracket - Ease of Supervision Testing
- Checkmate[®] - Instant Voltage Verification
- Unit Dimensions: 5" high x 4.5" wide x 2.5" deep
- Synchronize strobe and/or horn with Hochiki Series Control Module (12VDC product must use the AVSM Module)
- Prewire entire system, then install signals
- 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
- Tamperproof re-entrant grill
- Switch for continuous or temporal 3 (not available on whoop tone)
- Surface mount with the HSB (Hochiki ceiling surface mount box)
- Silence horn while strobes remain flashing
- Wide voltage range 8-17.5VDC (12VDC units) 16-33VDC or FWR (24VDC units)
- Faceplate available in red or off-white



- UL 464 & UL 1971 Listed
 - FM Approved
 - CSFM:
 - 7135-0569:122 GEC3-24 & GEH-24 (HA HEC3-24 & HEH-24)
 - 7125-0569:123 GES3-24 (HA HES3-24)
 - 7125-0569:129 GES3-12 (HA HES3-12)
 - 7135-0569:130 GEC3-12 & GEH-12 (HA HEC3-12 & HA HEH-12)
 - BS+A/MEA:
 - 285-91-E GEC3-24 & GES3-24 (HA HEC3-24 & HA HES3-24)
 - 580-06-E GEC3-12 & GES3-12 (HA HEC3-12 & HES3-12)
 - BFP (City of Chicago)
- Product Compliance**
- NFPA 72 • Americans with Disabilities Act (ADA)

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HEH 12VDC or 24VDC Low Profile Evacuation Horn

Model Number	Part Number	Nominal Voltage	Reverberant dBA @ 10ft., per UL 464	In Anechoic Room dBA @ 10ft.
HEH12-R	0500-04920	12VDC	62-82	100
HEH12-W	0500-04940	12VDC	62-82	100
HEH24-R	0500-04800	24VDC	62-82	100
HEH24-W	0500-04820	24VDC	62-82	100

HES3 12VDC or 24VDC Selectable Candela Low Profile Evacuation Strobe

Model Number	Part Number	Nominal Voltage	Candela (UL 1971)
HES3-12WR	0500-04880	12 VDC	15, 30, 60, 75
HES3-12WW	0500-04900	12 VDC	15, 30, 60, 75
HES3-12PWR	0500-04890	12 VDC	15, 30, 60, 75
HES3-12PWW	0500-04910	12 VDC	15, 30, 60, 75
HES3-24WR	0500-05020	24 VDC	15, 30, 60, 75, 110
HES3-24WW	0500-05000	24 VDC	15, 30, 60, 75, 110
HES3-24PWR	0500-05030	24 VDC	15, 30, 60, 75, 110
HES3-24PWW	0500-05010	24 VDC	15, 30, 60, 75, 110

Model Designations:

W = Wall mount R = Red faceplate W = Off-white faceplate
P = Plain (no lettering)

ALERT bezel available

AGENT bezel available.

HEC3 12VDC or 24VDC Selectable Candela Low Profile Evacuation Horn/Strobe

Model Number	Part Number	Nominal Voltage	Candela (UL 1971)	Reverberant dba @ 10ft., per UL 464	In Anechoic Room dBA @ 10ft.
HEC3-12WR	0500-04840	12 VDC	15, 30, 60, 75	62-82	100
HEC3-12WW	0500-04860	12 VDC	15, 30, 60, 75	62-82	100
HEC3-12PWR	0500-04850	12 VDC	15, 30, 60, 75	62-82	100
HEC3-12PWW	0500-04870	12 VDC	15, 30, 60, 75	62-82	100
HEC3-24WR	0500-04980	24 VDC	15, 30, 60, 75, 110	62-82	100
HEC3-24WW	0500-04960	24 VDC	15, 30, 60, 75, 110	62-82	100
HEC3-24PWR	0500-04990	24 VDC	15, 30, 60, 75, 110	62-82	100
HEC3-24PWW	0500-04970	24 VDC	15, 30, 60, 75, 110	62-82	100

HE3-12 Product Strobe Current Ratings

Candela	15cd	30cd	60cd	75cd
12VDC	106mA	131mA	186mA	237mA
AUL Max ¹	163mA	212mA	331mA	436mA

HE3-24 Product Strobe Current Ratings

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

HE3-12 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
Whoop	78	71*	55

HE3-24 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

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 HE3 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).

*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.