

HES24 & HEC24 Series Evacuation Signals



APPLICATIONS

The HES24 & HEC24 Series is a low profile strobe and horn/strobe combination that offers dependable audible and visual alarms and the lowest current available.

The HES24 & HEC24 Series is available in fixed candela options of 15/75 and 177.

The HES24 & HEC24 Series has a minimal operation current and has a minimum flash rate of 1Hz regardless of input voltage.

The HES24 & HEC24 Series is shipped with the standard 4" metal mounting plate which incorporates the popular 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 HES24 & HEC24 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 24VDC
- Fixed candela option of 15/75 and 177
- Unit Dimensions: 5" high x 4.5" wide x 2.5" deep
- Synchronize strobe and/or horn with Hochiki Series Control Module
- Prewire entire system, then install signals
- Lower installation and operating costs
- Input terminals supports 12 to 18 gauge wire
- 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)
- Surface mount with the HSB (Hochiki surface mount box)
- Silence horn while strobes remain flashing
- Tamperproof re-entrant grill
- Faceplate available in red or off-white



- UL 464 & UL 1971 Listed - S3597
- CSFM Listed - 7135-0410:0187, 7135-0410:0189

Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)

HES24 24VDC Low Profile Evacuation Strobe

Model Number	Part Number	Nominal Voltage	Candela
HES24-177WR	0500-05760	24 VDC	177
HES24-177WW	0500-05770	24 VDC	177
HES24-1575WR	0500-05740	24 VDC	15 (UL 1971) / 75 (UL 1638)
HES24-1575WW	0500-05750	24 VDC	15 (UL 1971) / 75 (UL 1638)

Model Designations:

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

ALERT bezel available
AGENT bezel available.

HEC24 Fixed Candela Low Profile Evacuation Horn/Strobe

Model Number	Part Number	Nominal Voltage	Candela	Reverberant dba @ 10ft., per UL 464	In Anechoic Room dBA @ 10ft.
HEC24-177WR	0500-05840	24 VDC	177	70-82	100
HEC24-177WW	0500-05850	24 VDC	177	70-82	100
HEC24-1575WR	0500-05800	24 VDC	15 (UL 1971) 75 (UL 1638)	70-82	100
HEC24-1575WW	0500-05810	24 VDC	15 (UL 1971) 75 (UL 1638)	70-82	100
HEC24-1575PWR	0500-05820	24 VDC	15 (UL 1971) 75 (UL 1638)	70-82	100
HEC24-1575PWW	0500-05830	24 VDC	15 (UL 1971) 75 (UL 1638)	70-82	100

HES-24 & HEC-24 Product Strobe Current Ratings

	24VDC (16-33 Volts)	
Candela	24VDC	UL Max
15/75	63mA	67mA
177	96mA	213mA

HES-24 & HEC-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

NOTES:

- 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.

*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). For strobes the UL max current is usually at the minimum listed voltage (16VDC for 24VDC units). For audibles the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.