

## HC Series Selectable Ceiling Mount Strobe and Horn Strobe



### HCS/HCC 24VDC SERIES

#### APPLICATIONS

The HC Series is a ceiling mount strobe or horn/strobe combination that offers dependable audible and visual alarms and the lowest current available.

The HC Series offers tamperproof field selectable candela options of 15, 30, 75, 95, 115 and 150 candela.

The HC Series horn offers a pattern or synchable temporal 3 in 2400Hz or mechanical tone. These tones are easy for the technician to change in the field by using switches.

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

The HC Series comes standard with the 4" mounting plate which incorporates the popular Super-Slide® feature that allows the installer to easily test for supervision.

The HC Series appliances are UL 464 and UL 1971 listed for use with fire protective systems.

#### STANDARD FEATURES

- Nominal Voltage 24 VDC
- Tamperproof Field Selectable candela options of 15, 30, 75, 95, 115 & 150
- Unit Dimensions: 6" x 2.6"
- Synchronize HC Series by using Hochiki America Series Control Module
- Input Terminals support 12 to 18 AWG
- Switch Selection for High or Low dBA
- Switch Selection for 2400Hz or Mechanical Tone
- Switch Selection for Continuous or Temporal 3
- Tamperproof Re-entrant Grill
- Surface Mount with the HCSB (Hochiki Ceiling Surface Mount Box)
- 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 - S8369 & S3597
- CSFM Listed - 7125-0410:0187, 7125-0410:0188

#### Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)

*Specifications subject to change without notice.*

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## HCS Series 24 Volt Ceiling Mount Selectable Strobe

Model Number	Part Number	Nominal Voltage	Candela
HCS24CR	0500-05060	24VDC	15, 30, 75, 95, 115, 150
HCS24CW	0500-05070	24VDC	15, 30, 75, 95, 115, 150
HCS24PCR	0500-06080	24VDC	15, 30, 75, 95, 115, 150
HCS24PCW	0500-06090	24VDC	15, 30, 75, 95, 115, 150

## HCC Series 24 Volt Ceiling Mount Selectable Horn/Strobe

Model Number	Part Number	Nominal Voltage	Candela	Reverberant dBA @ 10ft. Per UL 464	In Anechoic Room dBA @10ft.
HCC24CR	0500-06100	24 VDC	15, 30, 75, 95, 115, 150	81-86	90
HCC24CW	0500-06110	24 VDC	15, 30, 75, 95, 115, 150	81-86	90
HCC24PCR	0500-06120	24VDC	15, 30, 75, 95, 115, 150	81-86	90
HCC24PCW	0500-06130	24VDC	15, 30, 75, 95, 115, 150	81-86	90

### Notes:

- The HC 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 installation manual.
- **Hochiki does not recommend using a coded or pulsing signaling circuit with any of our strobe products (see technical bulletin number 014 for more information).**

### Model designations:

"P" = Plain (no lettering) "C" = Ceiling Mount, "R" = Red Faceplate/"W" = Off-White Faceplate

HC Series Product Strobe Current Ratings						
Candela	15cd	30cd	75cd	95cd	115cd	150cd
24 VDC	72mA	101mA	167mA	200mA	214mA	286mA
UL Max <sup>2</sup>	120mA	120mA	200mA	220mA	290mA	321mA
Horn Mode	Minimum dBA @ 10ft. per UL464 (HIGH)	Minimum dBA @ 10ft. per UL464 (LOW)	Regulated 24VDC Max. Operating @ High Setting (mA)			
Temp 3 2400Hz	83	75	23			
Temp 3 Mechanical	81	73*	22			
Continuous 2400Hz	86	78	23			
Continuous Mechanical	84	76	22			

\*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.

**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.

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

<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 (16-33VDC 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.