

Commander⁴ Series Selectable Ceiling Mount Strobe and Horn Strobe



HCS/HCC 24VDC SERIES

APPLICATIONS

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

The HCS/HCC offers tamperproof field selectable candela options of 15, 30, 75, 95, 115 and 150 candela.

The HCC horn offers a continuous or synchable temporal three in 2400Hz or mechanical tone. These tones are easy for the professional to change in the field by using switches. The models are shipped from the factory in the temporal three alarm mode.

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

The Commander⁴ 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 Commander⁴ also features the Checkmate[®] - Instant Voltage Verification feature which allows the installer to check the voltage without removing the signal.

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

Specifications subject to change without notice.

STANDARD FEATURES

- Nominal Voltage 24 VDC
- Tamperproof Field Selectable Candela options of 15, 30, 75, 95, 115 & 150
- Super-Slide[®] Bracket - Ease of Supervision Testing
- Checkmate[®] - Instant Voltage Verification
- Unit Dimensions: 6" x 2.6"
- Synchronize HC Series by using Hochiki Series Control Module
- Prewire Entire System, then Install Your Signals
- Input Terminals 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

PRODUCT LISTINGS



California State
Fire Marshal

- BFP (City of Chicago)
- BS+A/MEA #285-91-E
- CSFM 7135-0569:122 GCC (HA HCC)
7125-0569:123 GCS (HA HCS)
- FM Approved
- UL 464 & UL 1971 Listed

Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)

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HCS 24 Volt Ceiling Mount Selectable Strobe

Model Number	Part Number	Nominal Voltage	Candela
HCS24CR	0500-05080	24VDC	15, 30, 75, 95, 115,150
HCS24CW	0500-05090	24VDC	15, 30, 75, 95, 115, 150

HCC 24 Volt Ceiling Mount Selectable Horn/Strobe

Model Number	Part Number	Nominal	Candela Voltage	Reverberant dBA @ 10ft. Per UL 464 ¹	In Anechoic Room dBA @10ft.
HCC24CR	0500-05060	24 VDC	15, 30, 75, 95, 115, 150	81-86	90
HCC24CW	0500-05070	24 VDC	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

HCS/HCC Product Strobe Current Ratings

Candela	15cd	30cd	75cd	95cd	115cd	150cd
24 VDC	72mA	101mA	167mA	200mA	214mA	286mA
UL Max ²	120mA	130mA	247mA	318mA	360mA	454mA

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.

² 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.