

Features

- Tamperproof field selectable candela settings of 15, 30, 75, 95, and 115
- Lens color available: amber, blue, green, and red.
- Super-Slide® Bracket – Ease of supervision testing
- Checkmate® - Instant voltage verification
- Synchronize strobe and/or horn with AVSM module
- Switch selection for high or low dBA
- Switch selection for 2400Hz or mechanical tone
- Switch selection for continuous or temporal 3 tone
- Tamperproof re-entrant style grill
- Surface mount with the CLNGBB (Ceiling Surface Mount Back Box)
- Silence audible while visual appliance remains flashing (for use in accepted jurisdictions)
- Product includes a 5 year warranty



7135-0328:0211
7135-0328:0205

Application

The Potter CCS/CCHS Colored Lens Series are indoor ceiling mount strobe or horn/strobe combinations that offer dependable audible and visual signals for warning and emergency notification. Applications include emergency communication, severe weather, emergency response and many more.

Description

The CCS/CCHS Colored Lens Series are 24VDC appliances available in lens colors of amber, blue, green, and red. The Colored Lens series offers tamperproof field selectable options of 15, 30, 75, 95, and 115 candela. They have a minimal operating current and a minimum flash rate of 1 Hz within the listed voltage range. The strobes can be synced using a Gentex sync protocol or the AVSM Sync Module.

The CCS/CCHS Colored Lens Series is shipped with a die-cast 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 that secures the product to the bracket without showing any screws. The Colored Lens Series also features the patented Checkmate®- Instant Voltage Verification Feature which allows the installer to check the voltage without removing the signal.

Product Listings

- ANSI/UL 464 and 1638
- CSFM 7135-0328:0205 (CCHS Series)
- CSFM 7135-0328:0211 (CCS Series)

Technical Specifications

Operating Voltage	Nominal 24VDC (16-33VDC)
Environmental Limitations	32°F - 120°F (0° - 49°C) Indoor Only
Dimensions	6" H x 2.6" W
Wiring Connections	Terminals accept 18 - 12 AWG
Mounting	Surface mount with CLNGBB
Shipping Weight	1.15 lbs.

CCS Series Colored Lens Strobe, Selectable Candela			
Model Number	Stock Number	Lens Color	Body Color
CCS-24AR	4890108	Amber	Red
CCS-24AW	4890109	Amber	Off-White
CCS-24BR	4890110	Blue	Red
CCS-24BW	4890111	Blue	Off-White
CCS-24GR	4890112	Green	Red
CCS-24GW	4890113	Green	Off-White
CCS-24RR	4890114	Red	Red
CCS-24RW	4890115	Red	Off-White

UL Max Strobe Current Ratings (24VDC Regulated)		
Candela	Amber Lens	Blue, Green, and Red Lens
15cd	124 mA	124mA
30cd	124mA	124mA
60cd	212mA	139mA
75cd	283mA	205mA
110cd	313mA	212mA

For unfiltered FWR ratings, see installation manual.

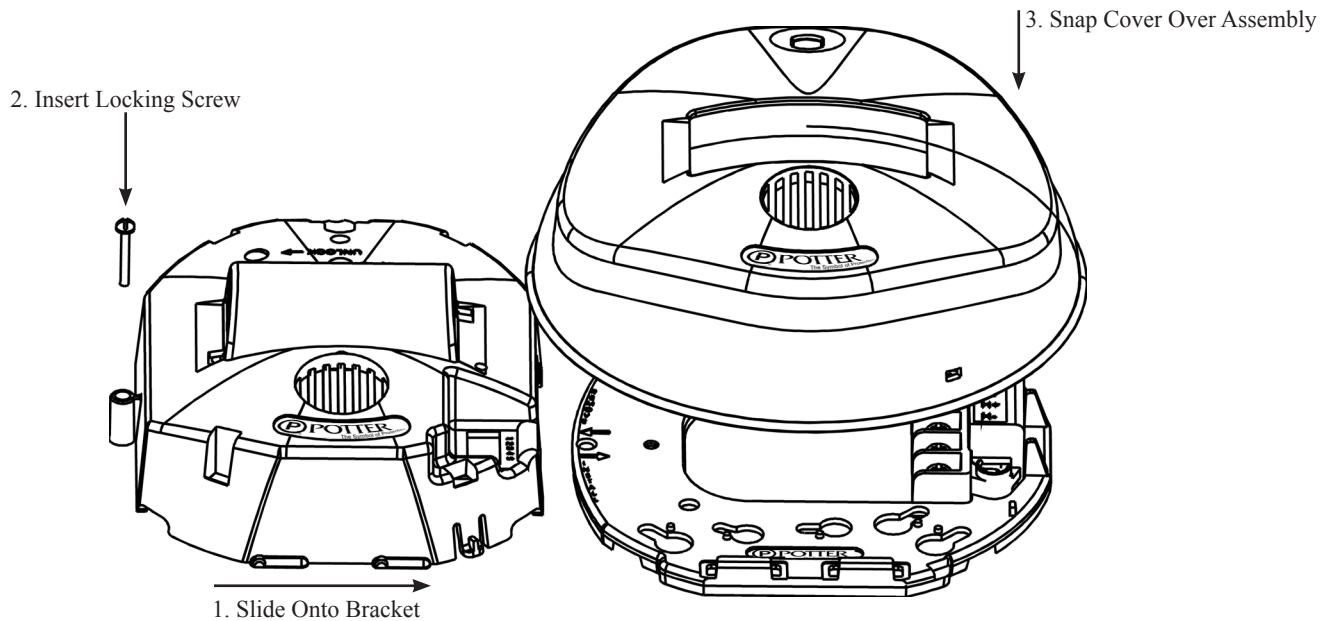
CCHS Series Colored Lens Horn Strobe, Selectable Candela					
Model Number	Stock Number	Lens Color	Body Color	Reverberant dBA at 10', per ANSI/UL 464	In Anechoic Room dBA at 10'
CCHS-24AR	4890128	Amber	Red	81-86	90
CCHS-24AW	4890129	Amber	Off-White	81-86	90
CCHS-24BR	4890130	Blue	Red	81-86	90
CCHS-24BW	4890131	Blue	Off-White	81-86	90
CCHS-24GR	4890132	Green	Red	81-86	90
CCHS-24GW	4890133	Green	Off-White	81-86	90
CCHS-24RR	4890134	Red	Red	81-86	90
CCHS-24RW	4890135	Red	Off-White	81-86	90

Horn Decibel and Current Ratings			
Horn Setting	Minimum dBA at 10', Per UL 464 (HIGH)	Minimum dBA at 10', Per UL 464 (LOW)	Regulated 24VDC Max. Operating Current, at High Setting (mA)
Temporal 3 2400Hz	83	75	23
Temporal 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 ANSI/UL 464 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.

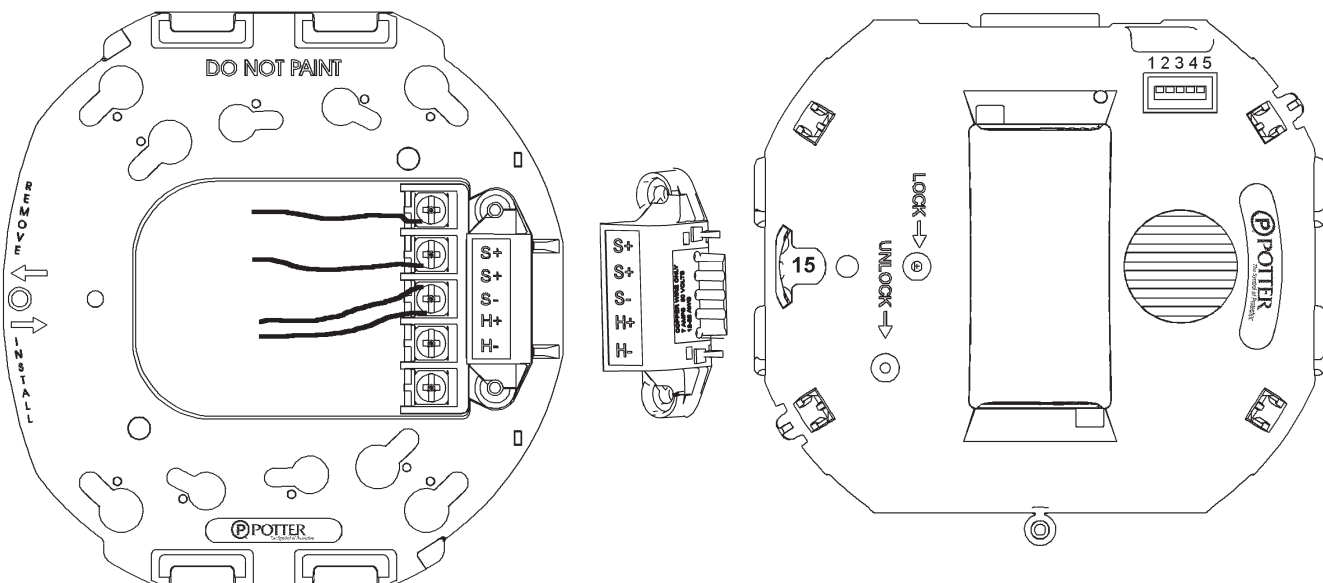
- The sound output for the temporal 3 tone is rated lower since the time the horn is off is averaged into the sound output rating. While the horn is producing a tone in the temporal 3 mode, its sound pressure is the same as continuous mode.
- Potter does not recommend using a coded or pulsing signal circuit with any of our strobe products.

Mounting Super Slide®



Checkmate® Instant Voltage Verification

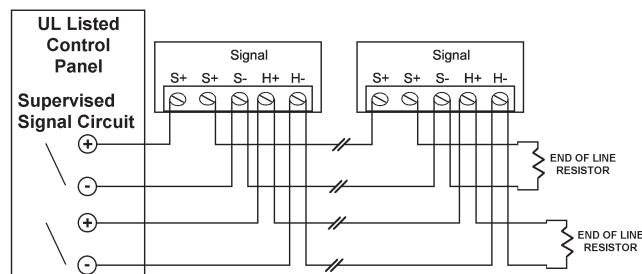
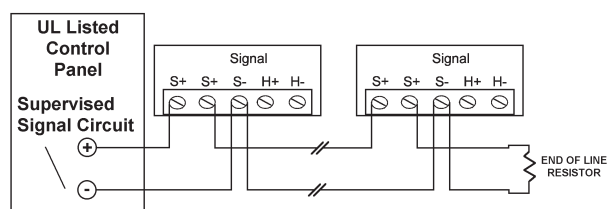
Switch Locations



The access holes are provided in the back of the terminal block to allow the voltage to be measured directly without removing the device. Typically this would be done at the end of the line to confirm design criteria. Most measurements will be taken using the S+ and S- locations although access is provided to other locations. Switch positions 1 and 2 in the down position to select isolated horn and strobe power inputs. Switch 3 selects between temporal or non-temporal tone. Up is temporal. Switch 4 selects between mechanical or high frequency tone. Up is mechanical. Switch 5 selects between high or low dBA. Up is dBA.

NOTE: CARE SHOULD BE TAKEN TO NOT SHORT THE TEST PROBES

Wiring Diagrams



NOTES:

- All strobes are designed to flash as specified with continuous applied voltage. Strobes should not be used on coded or pulsing signaling circuits. The AVSM control module or Gentex synchronization protocol is permitted to synchronize the strobe, horn and/or mute the horn.
- FOR SYNCHRONIZATION WIRING INFORMATION, REFERENCE AVSM CONTROL MODULE DATA SHEET (8830050) AND/OR AVSM CONTROL MODULE MANUAL FOR SYNCHRONIZATION MODULE WIRING DIAGRAMS. AVSM CONTROL MODULE DATA SHEET AND MANUAL CAN BE OBTAINED AT <http://pottersignal.com> OR CALL POTTER ELECTRIC AT 1-800-325-3936.**

Architect and Engineering Specifications

The audible and/or visible signal shall be Potter Colored Lens Series or approved equal and shall be listed by Underwriters Laboratories Inc. per ANSI/UL 1638 and ANSI/UL 464 and shall have compliance with the polar dispersion requirements of ANSI/UL 1971. The notification appliance shall also be listed with the California State Fire Marshal (CSFM).

The notification appliance (combination audible/visible) shall produce a peak sound output of 90 dBA or greater as measured in an anechoic chamber. The signaling appliance shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of power wires. Additionally, the user shall be able to select either continuous or temporal tone output with the temporal signal having the ability to be synchronized.

Unit shall be capable of being installed so that any unauthorized attempt to change the candela setting will result in a trouble signal at the fire alarm control panel.

The audible/visible and visible signaling appliance shall also maintain a minimum flash rate of 1Hz or up to 2 Hz regardless of power input voltage. The appliance shall have an operating current of 124mA or less at 24 VDC for the 15Cd strobe circuit.

The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with a mounting bracket with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox without the use of an adapter plate. The unit shall have an input voltage range of 16-33 volts with either direct current or full wave rectified power for 24 volt models.

The appliance shall be capable of testing supervision without disconnecting wires, verify voltage without removing the unit and be capable of mounting to a surface back box.