



#### Features

- 24VDC Fixed 15/75 Candela
- Lens colors available: amber, blue, green and red
- ALERT text available on amber lens units
- Wall mounting to a standard 4" (10.16 cm) square x 2.125" (5.4 cm) deep back box
- High quality dBA output (intelligible)
- Frequency range 400-4000Hz
- Screw terminals, separate in/out wiring (12-18 gauge)
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- Speaker voltage 25 or 70.7 VRMS standard, field selectable
- To synchronize use the Potter AVSM Control Module
- Tamperproof grill
- Faceplate available in red or off-white
- Xenon strobe maintains constant flash rate (1Hz) regardless of input voltage

#### Operating Temperature:

- 32°F to 120°F (0°C to 49°C)

#### Unit Dimensions

- 6.1" (15.49 cm) square x 1.88" (4.78 cm) deep



S3247 *Product includes a 5 year warranty*

#### Description

The Ceiling Series Colored Lens Signals are wall mount, low profile strobes or horn/strobes that offer dependable audible and visual alarms for warning and emergency notification. Applications include emergency communication, severe weather, emergency response and many more.

The Colored Lens Series are 24VDC units available in lens colors of amber, blue, green and red. The Series offers tamperproof field selectable candela options of 15, 30, 60, 75, and 110 candela.

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

The Colored Lens Series is shipped with a die cast 4" mounting bracket which incorporates the popular Super-Slide® feature that allows the installer to easily pre-wire the system and test for supervision. The product also features a locking mechanism that secures the signal to the bracket without showing any screws.

The Colored Lens Series also features the Checkmate® - Instant Voltage Verification Feature which allows the installer to check the voltage drop, current draw, and match it against the blue print.

The Colored Lens Series are ANSI/UL1638 and ANSI UL464 listed. The Series is also compliant with the rated candela per the polar dispersion requirements of ANSI/UL 1971. Therefore, the ANSI/UL 1971 polar plot is equal to the candela listed on the product, no derating was required.

Colored Lens Speaker/Strobes		
Model Number	Description	Part Number
CSPKSTR-24AR	Amber Speaker/Strobe	4890230
CSPKSTR-24AW	Amber Speaker/Strobe	4890231
CSPKSTR-24BR	Blue Speaker/Strobe	4890224
CSPKSTR-24BW	Blue Speaker/Strobe	4890225
CSPKSTR-24GR	Green Speaker/Strobe	4890226
CSPKSTR-24GW	Green Speaker/Strobe	4890227
CSPKSTR-24RR	Red Speaker/Strobe	4890228
CSPKSTR-24RW	Red Speaker/Strobe	4890229

CSPKSTR 24 Colored Lens Strobe Current Ratings	
Lens Color	15/75 Cd 24 VDC UL Max <sup>1</sup>
Amber	148 mA
Blue	280 mA
Green	360 mA
Red	397 mA

Low Profile Speaker dBA @ 10 ft.		
Input Watts	25 Volts	70.7 Volts
1/8	74.6 dBA	73.7 dBA
1/4	77.7 dBA	76.7 dBA
1/2	80.5 dBA	79.6 dBA
1	83.1 dBA	82.5 dBA
2	85.6 dBA	85.4 dBA
4	87.9 dBA	87.9 dBA

**Notes:**

- The CSPKSTR Colored Lens Series is not listed for outdoor use.
- Potter does not recommend using a coded or pulsing signaling circuit with any of our strobe products

R = Red Faceplate                      W = White Faceplate  
A = ALERT lettering (available on speaker/strobe only)

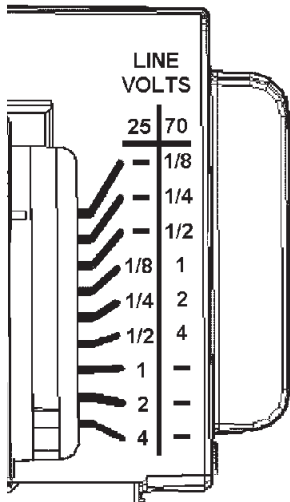
All units are available in plain (no lettering)

**Architect & Engineering Specifications**

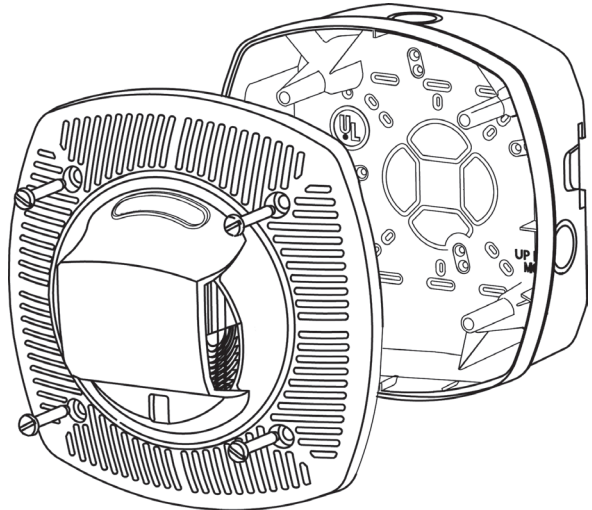
The alarm speaker shall be Potter CSPKSTR Colored Lens Series or equivalent. The speaker shall be capable of producing alarm tones or voice on all 25 or 70.7 VRMS audio systems. The speaker shall provide incremental tap settings of 1/8, 1/4, 1/2, 1, 2 or 4 watts. Minimum dBA ratings at 1/4 watt shall be 76.7 dBA and at 4 watts 87.9 dBA. Tap settings shall be adjustable with field selectable jumper pins. The speaker shall also have an optional visual signal capability.

The visual signal shall have a 1Hz flash rate regardless of input voltage. All field wiring connections shall be made via separate in-out terminal connections and the speaker or speaker strobe shall be ANSI/UL and CSFM listed and comply with all local, state and federal fire alarm codes/standards.

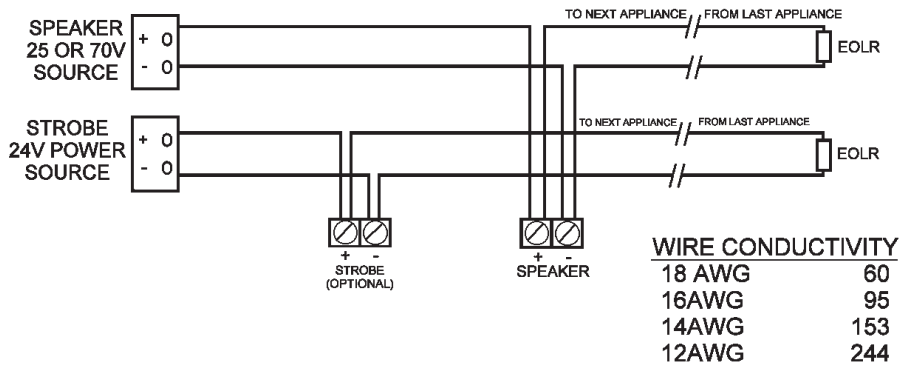
**Power Tap Selection**



**CSPKSTR-24 Mounting Diagram**



**Wiring Diagram**



**NOTE: DO NOT USE LOOPED WIRE UNDER TERMINALS. BREAK WIRE RUN TO PROVIDE SUPERVISION OF CONNECTION.**

\*MAX. WIRE DISTANCE (IN FEET)=  $\frac{\text{PANEL VOLTAGE} - \text{DEVICE MINIMUM VOLTAGE}}{\text{TOTAL CURRENT DRAW}} \times \text{WIRE CONDUCTIVITY}$

\*CAUTION: APPLIES ONLY TO REGULATED SUPPLIES

NOTICE: POWER IS SUPPLIED TO DEVICES WHEN CONTROL PANEL IS LATCHED