

Features

- 24VDC fixed 15/75 candela strobe
- Lens colors available: amber, blue, green, and red
- Amber versions come with ALERT wording
- Speaker voltage 25 or 70.7 VRMs standard, field selectable
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- Xenon strobe maintains constant flash rate (1Hz)
- High quality dBA output (intelligible)
- Frequency range 400-4000 Hz
- Screw Terminals, separate in/out wiring (18-12 gauge)
- Tamperproof grill
- Faceplate available in red or off-white
- Product includes a 5 year warranty



7320-0328:0206

Application

The Potter CSPKSTR-24 is an indoor wall mount, low profile, field adjustable speaker/strobe that offers a quality speaker and visual signals. Applications include severe weather, evacuation, emergency response and many more.

Description

The CSPKSTR-24 Series offers a 24VDC, fixed 15/75 candela strobe in lens colors of amber, blue, green, and red. The CSPKSTR-24 provides a 25 or 70.7 VRMs speaker with field selectable power taps of 1/8W, 1/4W, 1/2W, 1W, 2W, or 4W. The strobes can be synchronized using the Potter AVSM Synchronization Control Module, FACP, or power supplies that produce a Gentex Synchronization Protocol.

The CSPKSTR-24 can be mounted to a 4" X 2 1/8" deep back box without an extension ring or using Potter SPKRBB surface back box.

The CSPKSTR-24 grills are constructed of high impact textured plastic.

Product Listings

- ANSI/UL 1480 and ANSI/UL1638
- CSFM 7320-0328:0206

Product Compliance

- Americans with Disabilities Act (ADA)
- NFPA 72
- IBC/IFC/IRC

Technical Specifications

Speaker Operating Voltage	25VRMs or 70.7VRMs
Strobe Operating Voltage	16-33VDC
Synchronization Module	Potter AVSM
Environmental Limitations	32°F to 120°F Indoor Only
Unit Dimensions	6.1" (15.494cm) square X 1.88" (4.7752cm) deep
Back Box	4" X 2 1/8" deep box or Potter SPKRBB surface back box
Shipping Weight	1.5 lbs.

CSPKSTR-24 Colored Lens Strobe Current Ratings	
Lens Color	15/75CD 24VDC UL Max
Amber	148mA
Blue	280mA
Green	360mA
Red	397mA

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

NOTE:

- Potter does not recommend using a coded or pulsing signaling circuit with any of our strobe products.
- The CSPKSTR-24 Colored Lens Series is not listed for outdoor use.

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

Model Designations

W = Off-White Faceplate

R = Red Faceplate

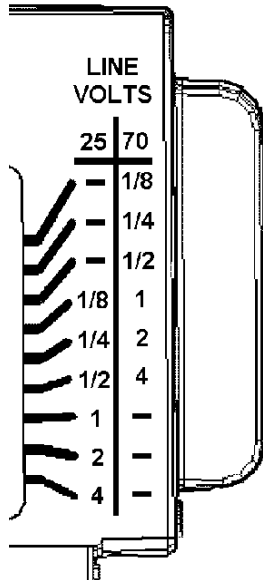
Plain units are non-returnable

Architect and Engineering Specifications

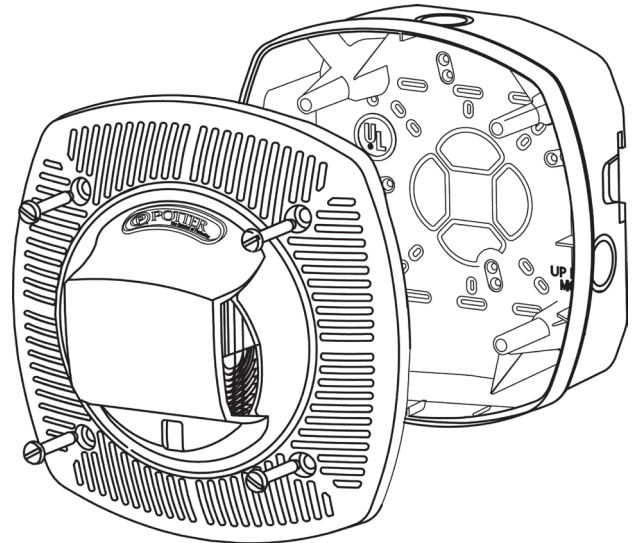
The alarm speaker shall be Potter CSPKSTR-24 Colored Lens Series or equivalent. The speaker shall be capable of producing alarm tones or voice on all 25 or 70.7 VRMs audio systems. The speaker shall provide incremental tap settings of 1/8, 1/4, 1/2, 1, 2, or 4 watts. Minimum dBA ratings at 1/4 watt shall be 76.7 dBA and at 4 watts 87.9dBA. 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 1 Hz 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 listed and comply with all local, state and federal fire alarm codes/standards.

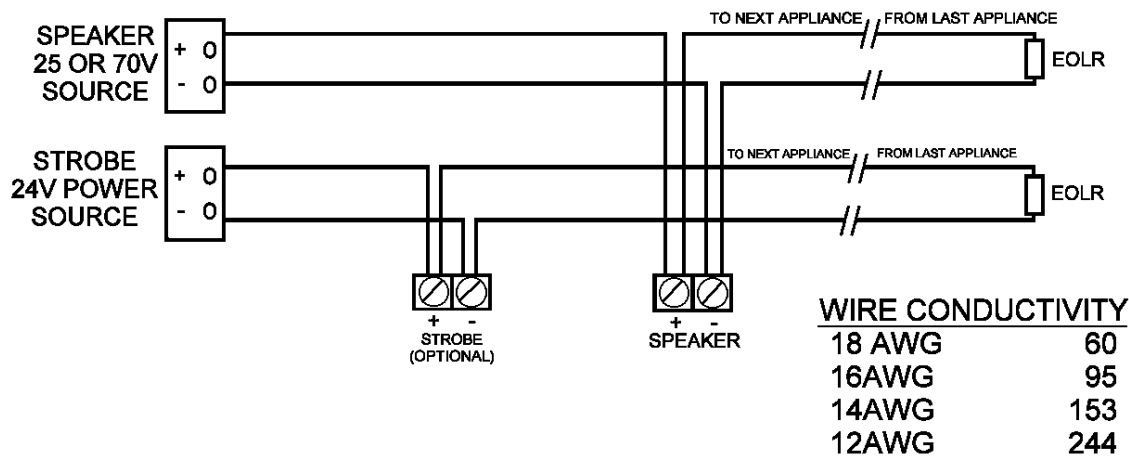
Power Tap Selection



Mounting Diagram



Wiring Diagram



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

• **MAX WIRE DISTANCE - $\frac{\text{PANEL VOLTAGE} - \text{DEVICE MINIMUM VOLTAGE}}{\text{TOTAL CURRENT DRAW}} \times \text{WIRE CONDUCTIVITY}$**

- **CAUTION: APPLIES ONLY TO REGULATED SUPPLIES.**
- **NOTICE: POWER IS SUPPLIED TO DEVICES WHEN CONTROL PANEL IS LATCHED.**