

## Features

- 24VDC fixed 15/75 candela strobe
- CSPKSTR-24-WP is shipped with outdoor listed back box, Potter SPKRBB
- Lens colors available: amber, blue, green, 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



## Application

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

## Description

The CSPKSTR-24-WP Series offers a 24VDC, fixed 15/75 candela strobe in lens colors of amber, blue, green, and red. The CSPKSTR-24-WP 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.

Included with the CSPKSTR-24-WP Series is the SPKRBB outdoor back box. The SPKRBB provides protection from weather related conditions and allows the necessary full candela output.

The CSPKSTR-24-WP body is constructed of high impact textured plastic.

## Product Listings

- UL S2657
- 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	-31°F to 150°F (-35°C to 66°C)
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.

## Architect and Engineering Specifications

The alarm speaker shall be Potter CSPKSTR-24-WP 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.

The appliance has extended temperature range of -31°F to 150°F (-35° to 66°C). The appliance shall satisfy all outdoor and severe environment applications. The SPKRBB back box includes a gasket that must be inserted between the box and device. There are drain holes in the back box to allow for drainage, the seal on the SPKRBB is not water tight. The speaker/strobe shall be ANSI/UL listed and comply with all local, state and federal fire alarm codes/standards.

CSPKSTR-24-WP 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

Colored Lens Speaker/Strobes		
Model Number	Description	Stock Number
CSPKSTR-24-ARP-WP	Alert Amber Speaker/Strobe	4890290
CSPKSTR-24-AWP-WP	Alert Amber Speaker/Strobe	4890291
CSPKSTR-24-BRP-WP	Plain Blue Speaker/Strobe	4890292
CSPKSTR-24-BWP-WP	Plain Blue Speaker/Strobe	4890293
CSPKSTR-24-GRP-WP	Plain Green Speaker/Strobe	4890294
CSPKSTR-24-GWP-WP	Plain Green Speaker/Strobe	4890295
CSPKSTR-24-RRP-WP	Plain Red Speaker/Strobe	4890296
CSPKSTR-24-RWP-WP	Plain Red Speaker/Strobe	4890297

**NOTE:**

- Potter does not recommend using a coded or pulsing signaling circuit with any of our strobe products.

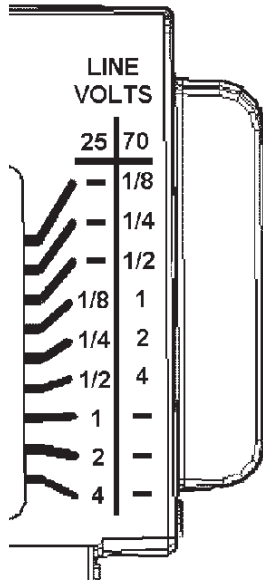
## Model Designations

**W** = Off-White Faceplate

**R** = Red Faceplate

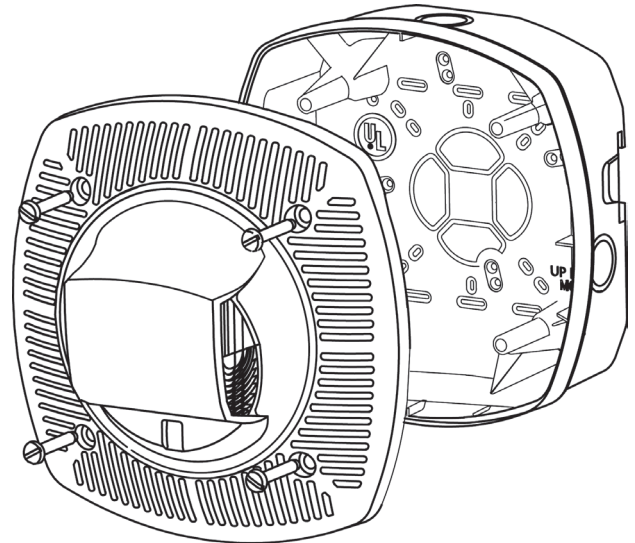
Plain units are non-returnable

**Power Tap Selection**



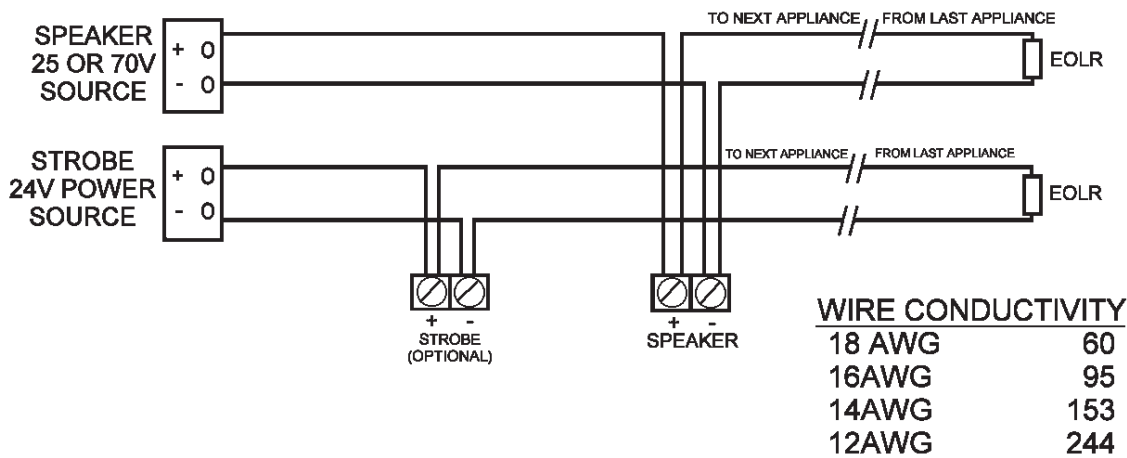
Adjust Power taps using needle nose pliers.

**Mounting Diagram**



Mounts to a standard 4" square X 2 1/8" back box or Potter SPKRBB surface back box.

**Wiring Diagram**



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

- **MAX WIRE DISTANCE -  $\frac{\text{PANEL VOLTAGE} - \text{DEVICE MINIMUM VOLTAGE}}{\text{TOTAL CURRENT DRAW}}$  - X WIRE CONDUCTIVITY**
- **CAUTION: APPLIES ONLY TO REGULATED SUPPLIES.**
- **NOTICE: POWER IS SUPPLIED TO DEVICES WHEN CONTROL PANEL IS LATCHED.**