

Features

- 24VDC fixed 15/75 candela
- FASPK-WP, SPKST24-WP series shipped with Potter SPKRBB outdoor back box
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- High quality dBA output (intelligible)
- Frequency range 400-4000 Hz
- Screw terminals, separate in/out wiring (18-12 gauge)
- Tamperproof grill
- Speaker voltage 25 or 70.7 VRMS standard, field selectable
- Faceplate available in red or off-white
- Strobe synchronization with Potter AVSM module
- Product includes a 5 year warranty



Application

The Potter FASPK-WP, SPKST24-WP Series is an outdoor listed, wall mount, field adjustable speaker and speaker/strobe designed to meet code requirements for audio, visual, and voice communications. The SPKST24-WP speaker/strobe offers a fixed 15/75 candela strobe.

Description

The FASPK-WP Series 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 SPKST24-WP provides a fixed 15/75 candela strobe output. The strobe can be synchronized using the Potter AVSM Synchronization Control Module, FACP, or power supplies that produce a Gentex Synchronization Protocol.

The Potter FASPK-WP, SPKST24-WP Series grills are constructed of high impact textured plastic. Included with the Potter FASPK-WP, SPKST24-WP Series speaker and speaker/strobe is the Potter SPKRBB outdoor listed back box. Using the Potter SPKRBB back box with the Potter FASPK-WP, SPKST24-WP Series provides protection from weather related conditions and allows the necessary full candela output.

Product Listings

- UL S2657
- ANSI/UL 1480, ANSI/UL1638 Listed
- CSFM 7320-0328:0206 (FASPK-WP)
7320-0328:0207 (SPKSTR-24WP)

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
Unit Dimensions	FASPKR - 6.1" square X 3.19" deep SPKSTR-24 - 6.1" square X 4.0625" deep
Back Box	Includes GBLP outdoor back box

SPKSTR-24 - 15/75 Strobe Current Rating	
Candela	15/75 cd
24 VDC	63 mA
UL Max	96 mA

Outdoor Evacuation Speakers (Speaker Only)		
Model Number	Description	Stock Number
FASPK-WPR	Speaker Red	4890304
FASPK-WPW	Speaker White	4890305

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

Outdoor Evacuation Speaker / Strobes Fixed 15/75 candela		
Model Number	Description	Stock Number
SPKSTR-24WLPR-WP	Speaker/Strobe Red Fire Label	4890306
SPKSTR-24WLPR-WP	Speaker/Strobe White Fire Label	4890307
SPKSTR-24WLPPR-WP	Speaker/Strobe Red Plain Label	4890308
SPKSTR-24WLPPW-WP	Speaker/Strobe White Plain Label	4890309
SPKSTR-15/75-AL-WP	Speaker/Strobe Red Alert Label	4890310
SPKSTR-15/75-AL-WP	Speaker/Strobe White Alert Label	4890311

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

Architect and Engineering Specifications

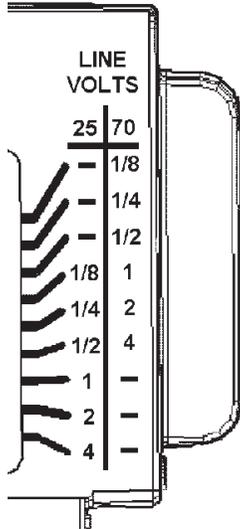
The fire alarm speaker shall be Potter FASPK-WP, SPKSTR-24-WP or equivalent. The speaker shall be capable of producing alarm tones or voice on all 25 or 70.7 VRMs audio systems. The speaker shall provide incremental tap settings of 1/8, 1/4, 1/2, 1, 2, or 4 watts. Minimum dBA ratings at 1/4 watt shall 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° to 150° F (-35° to 66° C). The appliance shall satisfy all outdoor and severe environment applications. The GBLP 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 GBLP is not water tight. The speaker or speaker/strobe shall be ANSI/UL, CSFM listed and comply with all local, state and federal fire alarm codes/standards.

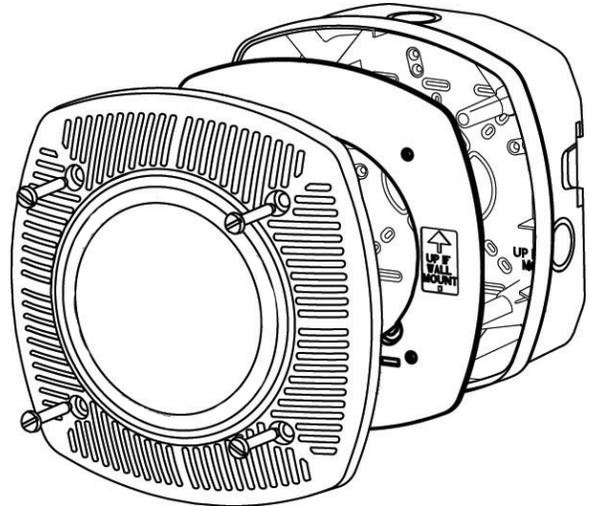
Power Tap Selection

Fig 1



Mounting Diagram

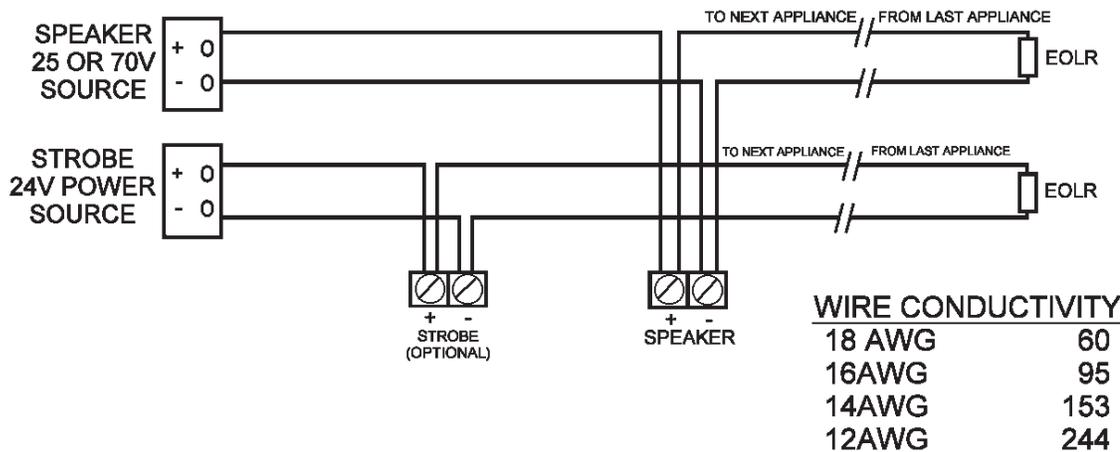
Fig 2



NOTE: Adjust Power taps using needle nosepliers.

Wiring Diagram

Fig 3



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.**