

## Features

- NEMA type 3R and 4X ratings for corrosion and weatherproofing.
- IP54 and IP66 rated for protection against dust and water horn patterns (Continuous, T3, T3/T4) for fire and CO signaling in one device.
- LED Technology for Energy Efficiency
- Multiple Candela Settings: 15 - 185 Cd
- 1/8 watt up to 8 watts (70V)
- 25 or 70 VRMS
- Strobe synchronization with Potter fire alarm control panels and power supplies. Ability to mix xenon and LED strobes in the same field of view.
- 5-year warranty



## Description

The Potter PE weatherproof speaker and speaker-strobe appliances feature advanced LED technology with a range of low and high candela settings for indoor/outdoor wall and ceiling-mount applications. They are designed for easy installation with a pre-wire capable mounting plate, or back box.

The PE weatherproof speaker and speaker strobe are designed for multiple power requirements with high dBA output at each power tap. The design incorporates a high efficiency speaker for maximum output at minimum power across a frequency range of 400-4000Hz.

## High Efficiency, LED Technology

The PE Weatherproof series of LED strobes utilize LED technology and optical design to improve efficiency and reduce overall power consumption. Strobe models offer six candela settings (15, 30, 75, 1010, 135, 185 cd for clear LED and 15, 30, 75, 110, 150, 177 cd for amber LED models).

## Product Listing:

- UL Listed
- FM Approved
- CSFM

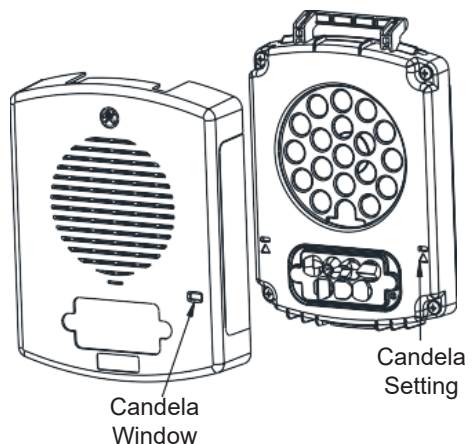
## Technical Specifications

Mounting Options	<ul style="list-style-type: none"> <li>• Ceiling or wall mount</li> <li>• 3R comes with mounting plate</li> <li>• 4X comes with backbox</li> </ul>
Wire Gauge	<ul style="list-style-type: none"> <li>• #12 through #18 AWG</li> </ul>
Operating Temp	<ul style="list-style-type: none"> <li>• -40°F to 150°F (-40°C to 65°C)</li> <li>• Maximum humidity 95%</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 3R: 7.8"L x 5.75"W x 3.2"H</li> <li>• 4X: 8"L x 6.5"W x 4.4"H</li> </ul>
Operating Voltage	<ul style="list-style-type: none"> <li>• 16-33 VDC/FWR.</li> </ul>
Strobe Output Rating	<ul style="list-style-type: none"> <li>• Clear 15/30/75/110/150/185 Cd</li> <li>• Amber 15/30/75/95/150/177 Cd</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 3R = 1.7 lbs</li> <li>• 4X = 2.3 lbs</li> </ul>
Synchronization Models	<ul style="list-style-type: none"> <li>• Strobes can be synchronized with Potter fire alarm control panels and power supplies using Wheelock® sync protocol.</li> </ul>
Frequency Range	<ul style="list-style-type: none"> <li>• 400 Hz to 4000 Hz</li> </ul>

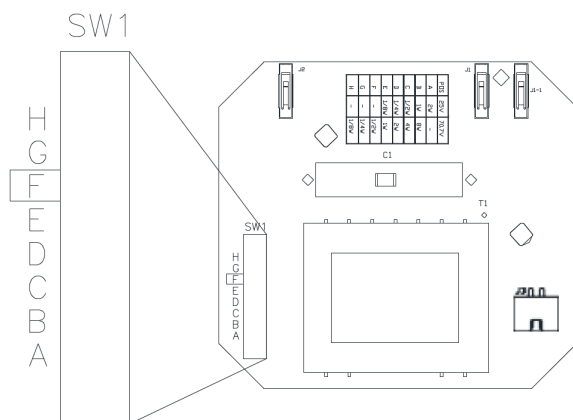
## PE-3RSPK/4XSPK Switch Locations

*Figure A: Candela (PE-3R/4XSPST only)*

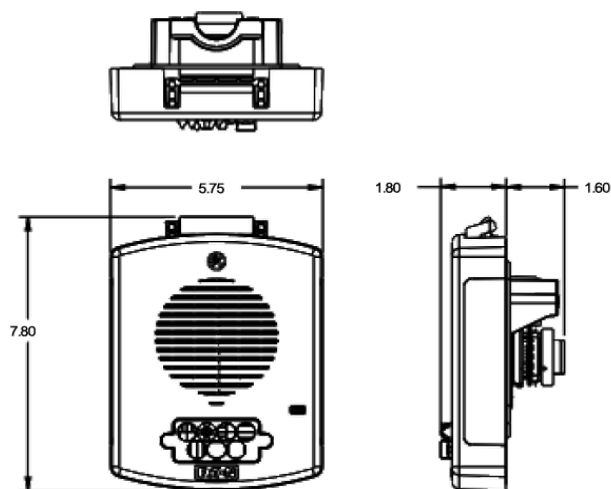
Set from rear. Factory Setting is 15cd.



## PE-3R/4XSPK Only Switch Locations



## Dimensions



### Strobe Ratings - 24 VDC; Max Current

Model	Regulated Voltage Range (VDC)	15	30	75	110	150	185
PE-3R/4XPST	16.0 - 33.0	0.026	0.038	0.070	0.097	0.179	0.206
Model (Amber)	Regulated Voltage Range (VDC)	15	30	75	110	150	177
PE-3R/4XHS	16.0 - 33.0	0.026	0.038	0.070	0.097	0.179	0.206

### PE-HN & PE-HS Horn Ratings

UL Reverberant dBA 10 Feet							
Setting	1/8 Watts	1/4 Watts	1/2 Watts	1 Watt	2 Watts	4 Watts	8 Watts
25 Vrms	76	79	82	85	88		
70.7 Vrms	76	79	82	85	88	91	94

#### General Notes:

- Strobes are designed to flash at 1 flash per second minimum over their “Regulated Voltage Range”. Note that NFPA-72 specifies a flash rate of 1 to 2 flashes per second and ADA guidelines specify a flash rate of 1 to 3 flashes per second.
- All candela ratings represent minimum effective Strobe intensity based on UL 1971.

### Specification & Ordering Information

Model Number	Part Number	Mounting	Strobe Candela	Red	White	Lettering
<b>Speakers</b>						
PE-3RSPK-NR	4871163	Wall/Ceiling		X		None
PE-3RSPK-NW	4871164	Wall/Ceiling			X	None
PE-4XSPK-NR	4871184	Wall/Ceiling		X		None
PE-4XSPK-NW	4871185	Wall/Ceiling			X	None
<b>Speaker Strobes</b>						
PE-3RSPST-FR	4871158	Wall/Ceiling	15/30/75/110/150/185 Cd	X		Fire
PE-3RSPST-FW	4871159	Wall/Ceiling	15/30/75/110/150/185 Cd		X	Fire
PE-4XSPST-FR	4871179	Wall/Ceiling	15/30/75/110/150/185 Cd	X	X	Fire
PE-4XSPST-FW	4871180	Wall/Ceiling	15/30/75/110/150/185 Cd		X	Fire
PE-3RSPSTA-NW	4871157	Wall/Ceiling	15/30/75/95/150/177		X	None
PE-4XSPSTA-NW	4871178	Wall/Ceiling	15/30/75/95/150/177		X	None
PE-3RSPSTA-ALW	4871252	Wall/Ceiling	15/30/75/95/150/177		X	ALARM
PE-4XSPSTA-ALW	4871253	Wall/Ceiling	15/30/75/95/150/177		X	ALARM

Accessories				
Model Number	Part Number	Description	Red	White
PE-LP-FR(10Pk)	4871202	LETTER PLATE, RED, FIRE (10 PAIR PER PKG. - 1 PAIR PER DEVICE)	X	
PE-LP-FW(10Pk)	4871203	LETTER PLATE, WHITE, FIRE (10 PAIR PER PKG. - 1 PAIR PER DEVICE)		X
PE-LP-NR(10Pk)	4871206	LETTER PLATE, RED, NO LETTERING (10 PAIR PER PKG. - 1 PAIR PER DEVICE)	X	
PE-LP-NW(10Pk)	4871207	LETTER PLATE, WHITE, NO LETTERING (10 PAIR PER PKG. - 1 PAIR PER DEVICE)		X
PE-LP-AR(10Pk)	4871194	LETTER PLATE, RED, AGENT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)	X	
PE-LP-AW(10Pk)	4871195	LETTER PLATE, WHITE, AGENT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)		X
PE-LP-ALR(10Pk)	4871192	LETTER PLATE, RED, ALERT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)	X	
PE-LP-ALW(10Pk)	4871193	LETTER PLATE, WHITE, ALERT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)		X

## Architect & Engineering Specifications

The Weatherproof LED high fidelity speaker appliances shall be the Potter PE-3RSPK & PE-4XSPK speakers and PS-3RSPST & PE-4XSPST speaker strobes. Special lettering, including ALERT, CO, and no lettering (plain) shall be available. The speakers shall be UL Listed under UL 1480 for Fire Protective Service and speakers equipped with strobes shall be listed under UL 1971 for Emergency Devices for Hearing Impaired. In addition, the speaker strobes shall meet the requirements of FCC Part 15 and ICES-003. All inputs shall be compatible with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP) with the ability to operate from 16 to 33 VDC/FWR.

All speakers shall be designed for a field selectable input of either 25 or 70.7 VRMS, with selectable power taps from 1/8 watt to 2 watts (5 watts for 70V). All models shall have listed sound output of up to 88 dB at 10 feet and a listed frequency response of 400 to 4000 Hz.

All inputs shall employ terminals that accept #12 to #18 AWG wire sizes. The PE-3RSPST & PE-4XSPST speaker strobe appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Light Emitting Diode (LED) as a light source with a rugged Lexan® lens. The LED strobe flash duration shall be 20 ms. Where multi-Candela appliances are specified, the strobe intensity shall have 6 field selectable settings at 15, 30, 75, 110, 135, and 185 candela for clear LED and 15, 30, 75, 110, 150, and 177 for amber LED. The selector switch for selecting the candela shall be tamper resistant. Appliances with candela settings shall show the candela selection in a visible location at all times when installed.

The outdoor series PE-3RSPK/PE-4XSPK, PE-3RSPST/PE-4XSPST, PE-3RSPSTA/ PE-4XSPSTA (Amber) appliances shall include a mounting plate or surface mounting box from the factory. The outdoor series PE-3RSPK/PE-4XSPK, PE-3RSPST/PE-4XSPST, PE-3RSPSTA/PE-4XSPSTA (Amber) incorporates pre-wire, pre-test mounting plate and back box terminals. The outdoor series PE-3RSPK/PE-4XSPK, PE-3RSPST/PE-4XSPST, PE-3RSPSTA/PE-4XSPSTA (Amber)

The PE-3RSPK & PE-3RSPST wall model shall have a low profile measuring 7.8"L x 5.75"W x 1.6"H. The PE-4XSPK & PE-4XSPST shall have a low profile measuring 8"L x 6.5"W x 4.5"H. Finish shall be red or white. Special lettering shall be available.

When synchronization is required, the appliance shall be compatible with Potter fire alarm control panels and power supplies, with built-in Wheelock® sync protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync protocol fails to operate, the strobe shall revert to a non-synchronized flash rate and still maintain one (1) flash per second over its Regulated Voltage Range.

The speaker shall be listed to low frequency requirements of UL 464 (520 Hz) to meet NFPA's 520 Hz tone requirements for sleeping areas.