

Features

- NEMA type 3R and 4X ratings for corrosion and weatherproofing.
- IP54 and IP66 rated for protection against dust and water
- LED Technology for Energy Efficiency
- Six 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 Weatherproof PE Series feature advanced LED technology with a range of low and high candela settings for wall and ceiling-mount applications. cutting-edge solution delivers optimal performance thanks to its NEMA type 3R and 4X ratings, which make it resistant to corrosion and ice formation.

Rich in features, the devices offer 6 candela settings and 3 horn patterns within a single unit. Installation is simplified with pre-wire/pre-test capabilities via a hinged mounting plate. The PE Series is designed for 24V operations. The PE-3R/4XHN can also be used in 12V applications.

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.

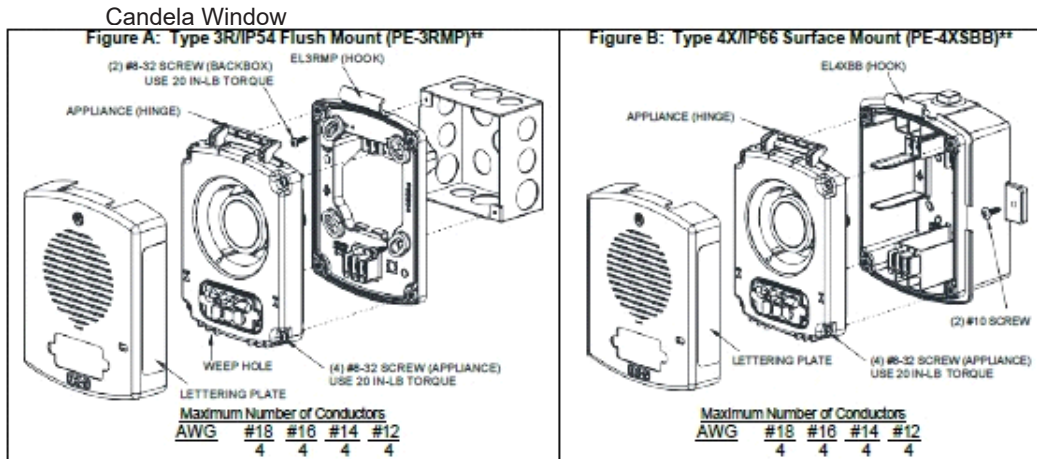
Product Listing:

- UL Listed
- FM Approved
- CSFM

Technical Specifications

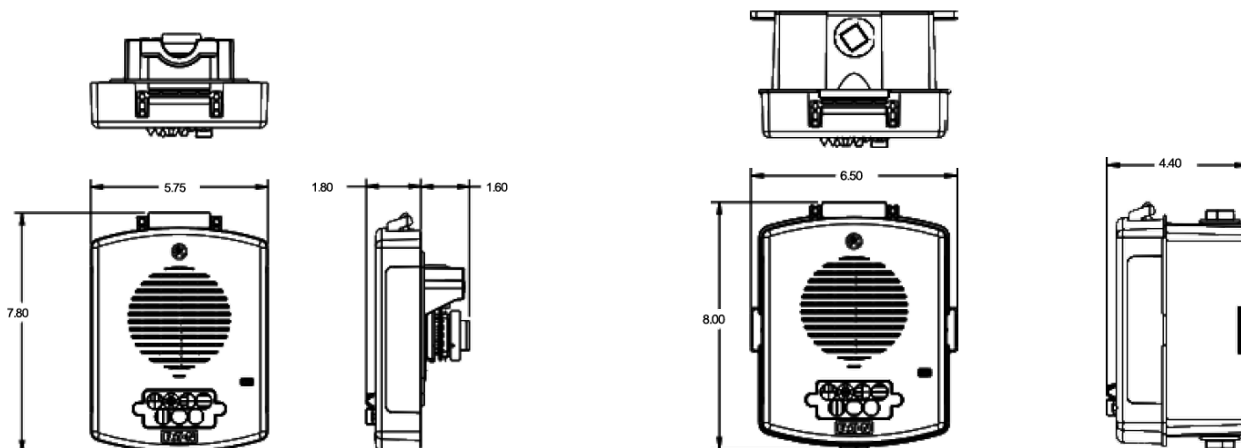
| | |
|------------------------|---|
| Mounting Options | <ul style="list-style-type: none"> • Ceiling or wall mount • 3R comes with mounting plate • 4X comes with backbox |
| Wire Gauge | <ul style="list-style-type: none"> • #12 through #18 AWG |
| Operating Temp | <ul style="list-style-type: none"> • -40°F to 150°F (-40°C to 66°C) • Maximum humidity 95% |
| Dimensions | <ul style="list-style-type: none"> • 3R: 7.8"L x 5.75"W x 1.6"H • 4X: 8"L x 6.5"W x 4.5"H • The 4X box has 3/4" NPT entries/plugs |
| Operating Voltage | <ul style="list-style-type: none"> • 16-33 VDC/FWR. |
| Strobe Output Rating | <ul style="list-style-type: none"> • Strobe (Blue): 15/30/ 75/95/135/150Cd on-axis • Strobe (Green): 15/30/60/75/115/125Cd on-axis • Strobe (Red): 10/20/40/50/75/80Cd on-axis |
| Synchronization Models | <ul style="list-style-type: none"> • Strobes can be synchronized with Potter fire alarm control panels and power supplies using Wheelock® sync protocol. |

PE-3R/4XST Switch Locations



Mounting Options

Dimensions



PE-STR & PE-HS Strobe Current Ratings

| Model (Blue) | Regulated Voltage Range (VDC) | 15 Cd | 30 Cd | 75 Cd | 95 Cd | 135 Cd | 150 Cd |
|---------------|-------------------------------|-------|-------|-------|-------|--------|--------|
| PE-3RSTB-NW | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| PE-4XSTB-NW | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| Model (Green) | Regulated Voltage Range (VDC) | 15 Cd | 30 Cd | 60 Cd | 75 Cd | 115 Cd | 125 Cd |
| PE-3RSTG-NW | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| PE-4XSTG-NW | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| Model (Red) | Regulated Voltage Range (VDC) | 10 Cd | 20 Cd | 40 Cd | 50 Cd | 75 Cd | 80 Cd |
| PE-3RSTR-NW | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| PE-3RSTR-NR | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| PE-4XSTR-NW | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |
| PE-4XSTR-NR | 16.0-33.0 | 0.026 | 0.038 | 0.070 | 0.097 | 0.179 | 0.206 |

Notes:

- When the application requires T4; field devices must be set to T3/T4 Horn setting and in the Potter Programming Software the corresponding circuit be set to Wheelock T4

Specification & Ordering Information

| Model Number | Part Number | Strobe Candela | Red | White | Lettering |
|------------------------|-------------|---------------------------------|-----|-------|--------------|
| Speaker Strobes | | | | | |
| Model (Blue) | | | | | |
| PE-3RSPSTB-NW | 4871151 | 15cd/30cd/75cd/95cd/135cd/150cd | | X | No Lettering |
| PE-4XSPSTB-NW | 4871172 | 15cd/30cd/75cd/95cd/135cd/150cd | | X | No Lettering |
| Model (Green) | | | | | |
| PE-3RSPSTG-NW | 4871154 | 15cd/30cd/60cd/75cd/115cd/125cd | | X | No Lettering |
| PE-4XSPSTG-NW | 4871175 | 15cd/30cd/60cd/75cd/115cd/125cd | | X | No Lettering |
| Model (Red) | | | | | |
| PE-3RSPSTR-NW | 4871155 | 10cd/20cd/40cd/50cd/75cd/80cd | | X | No Lettering |
| PE-3RSPSTR-NR | 4871156 | 10cd/20cd/40cd/50cd/75cd/80cd | X | | No Lettering |
| PE-4XSPSTR-NW | 4871176 | 10cd/20cd/40cd/50cd/75cd/80cd | | X | No Lettering |
| PE-4XSPSTR-NR | 4871177 | 10cd/20cd/40cd/50cd/75cd/80cd | X | | No Lettering |

| Accessories | | | | |
|--------------|-------------|--|-----|-------|
| Model Number | Part Number | Description | Red | White |
| PE-LP-ALR | 4871192 | LETTER PLATE, ALERT, RED (10 PAIR PER PKG. - 1 Pair PER DEVICE) | X | |
| PE-LP-ALW | 4871193 | LETTER PLATE, ALERT, WHITE (10 PAIR PER PKG. - 1 Pair PER DEVICE) | | X |
| PE-LP-AR | 4871194 | LETTER PLATE, AGENT, RED (10 PAIR PER PKG. - 1 Pair PER DEVICE) | X | |
| PE-LP-AW | 4871195 | LETTER PLATE, AGENT, WHITE (10 PAIR PER PKG. - 1 Pair PER DEVICE) | | X |
| PE-LP-COR | 4871196 | LETTER PLATE, CARBON DIOXIDE, RED (10 PAIR PER PKG. - 1 Pair PER DEVICE) | X | |
| PE-LP-COW | 4871197 | LETTER PLATE, CARBON DIOXIDE, WHITE (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | | X |
| PE-LP-EVR | 4871198 | LETTER PLATE, EVACUATE, RED, (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | X | |
| PE-LP-EVW | 4871199 | LETTER PLATE, EVACUATE, WHITE, (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | | X |
| PE-LP-FBR | 4871200 | LETTER PLATE, FEU/FIRE, RED (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | X | |
| PE-LP-FBW | 4871201 | LETTER PLATE, FEU/FIRE, WHITE (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | | X |
| PE-LP-FR | 4871202 | LETTER PLATE, FIRE, RED (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | X | |
| PE-LP-FW | 4871203 | LETTER PLATE, FIRE, WHITE (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | | X |
| PE-LP-MR | 4871204 | LETTER PLATE, EMERGENCY, RED (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | X | |
| PE-LP-MW | 4871205 | LETTER PLATE, EMERGENCY, WHITE (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | | X |
| PE-LP-NR | 4871206 | LETTER PLATE, NO LETTERS, RED (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | X | |
| PE-LP-NW | 4871207 | LETTER PLATE, NO LETTERS, WHITE (10 PAIR PER PKG. - 1 PAIR PER DEVICE) | | X |

Architect & Engineering Specifications

The colored lens outdoor strobe appliances shall be Wheelock® Potter Series PE-3R/4XST visual strobe appliances for wall or ceiling-mount applications with a low-profile design or approved equals. Strobes shall include blue, green and red lens models. Special lettering, including ALERT and no lettering, shall be available. The Series PE-3R/4XST strobes shall be listed for: Certified to NEMA type 3R | 4X, IP54 | IP66 Certified | Tested to IP67, NFPA 72 2016 (Meets maximum light pulse duration of 20 ms), IEC 60529 2nd edition + amendment 3- August 2013, FCC Part 15B / ICES-003- Class A, UL 50 13th edition- October 2020, UL 50E 3rd edition- October 2020, UL464 11th edition: CAN/ULC 525 5th edition- May 2023, UL1480 7th edition: CAN/ULC 541 5th edition- May 2023, UL1638 6th edition: CAN/ULC 526 5th edition- April 2023, California State Fire Marshal (CSFM), Factory Mutual (FM) - pending, ADA/NFPA/ ANSI/OSHA.

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/VFWR. The colored lens outdoor strobe series PE-3R/4XST 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 the light source with a rugged Lexan® lens.

The Series shall be of low current design. The LED strobe flash duration shall be 20 ms. The blue lens strobe intensity shall have 6 field selectable settings at 15cd/ 30cd/ 75cd/ 95cd/ 135cd/ 150cd candela for wall or ceiling mount applications. The green lens strobe intensity shall have 6 field selectable settings at 15cd/ 30cd/ 60cd/ 75cd/ 115cd/ 125cd/150cd candela for wall or ceiling mount applications. The red lens strobe intensity shall have 6 field selectable settings at 10cd/ 20cd/ 40cd/ 50cd/ 75cd/ 80cd candela for wall or ceiling mount applications. 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 colored lens outdoor strobe series PE-3R/4XST appliances shall include a mounting plate or surface mounting box from the factory. The outdoor series PE-3R/4XST incorporates pre-wire, pre-test mounting plate and back box terminals. The outdoor series PE-3R/4XST rated to NEMA type 3R, IP54 and NEMA type 4X, IP66 respectively, when used with the included mounting accessory. Two wire appliance wiring shall be capable of directly connecting to the mounting plate or back box. Removal of an appliance shall result in a supervision fault condition by the Fire Alarm Control Panel (FACP). All notification appliances shall be backwards compatible.

The colored lens outdoor strobe series PE-3R/4XST appliances shall provide installers ease of installation provided by the self-supporting hanging hinge feature.

When synchronization is required 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 (1) flash per second over its Regulated Voltage Range.