P2RHK-120

Outdoor 120 VAC Selectable Output Horn/Strobe

NOTIFIER® by Honeywell

Audio/Visual Devices

General

The SpectrAlert® Advance selectable-output outdoor 120V horn/strobe is rich with features guaranteed to cut installation times and maximize profits.

The SpectrAlert Advance series of notification appliances is designed to simplify installations, with features such as plug-in designs, instant feedback messages to ensure correct installation of individual devices, and field-selectable candela settings.

When installing the P2RHK-120, first attach the 120V mounting plate to the outdoor back box provided with each unit. Next, connect the notification appliance circuit wiring to the SEMS terminals on the mounting plate.

Finally, attach the horn/strobe to the mounting plate by inserting the product's tabs in the mounting plate's grooves. The device will rotate into position, locking the product's pins into the mounting plate's terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.

The SpectrAlert Advance series outdoor notification appliances are rated between minus 40 degrees Fahrenheit and 151 degrees Fahrenheit in wet or dry applications.



Features

- Plug-in design.
- Field selectable candela settings: 135, 150, 177, 185.
- Tamper resistant construction.
- Outdoor products rated from –40°F to 151°F.
- Regulated 120VAC.
- Rotary switch for horn tone and three volume selections.
- Outdoor products listed to UL 1638 (strobe) and UL 464 (horn) outdoor requirements.
- Outdoor products rainproof per UL 50 (NEMA 3R).
- Weatherproof back box included.
- Single screw attachment.
- Horn/strobe, 120VAC adapter mounting plate, and weatherproof back box included.

Specifications

The horn/strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service.

The horn/strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have three audibility options and an option to switch between a temporal three-pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch. On four-wire products, the strobe shall be powered independently of the sounder. The horn on horn/strobe models shall operate on a coded or non-coded power supply.

OUTDOOR PRODUCTS

SpectrAlert Advance outdoor horn/strobe shall be listed for outdoor use by UL and shall operate between minus 40 degrees and 151 degrees Fahrenheit. The products shall be listed for use with a System Sensor outdoor/weatherproof back box with half inch and three-fourths inch conduit entries.

PHYSICAL/OPERATING SPECIFICATIONS

Operating Temperature: –40°F to 151°F (–40°C to 66°C).

Strobe Flash Rate: 1 flash per second.

Nominal Voltage: Regulated 120 VAC.

Operating Voltage Range: 96–132 VAC.

Input Terminal Wire Gauge: 12 to 18 AWG.

Dimensions:

- **Wall-mount Horns/Strobes:** 5.6" L x 4.7"W x 2.5" D (142 mm L x 119 mm W x 63.5 mm D).
- **Weatherproof Backbox :** 5.7"L × 5.1"W × 2.0"D (145 mm L × 130 mm W × 51 mm D).

CANDELA DERATING

For K series products used at low temperatures, listed candela ratings must be reduced in accordance with this table.

Listed Candela	Candela rating at –40°F
135	135
150	150
177	177
185	185

Strobe Output (cd)

Product Line Information

P2RHK-120: 2-wire Horn/Strobe, High cd, Red, Outdoor, 120VAC. Includes P2RHK 2-wire horn/strobe, MP120K 120VAC adapter mounting plate, and weatherproof back box. “High cd” refers to strobes that include 135, 150, 177, and 185 candela settings.

Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S4011, S5512, S3593
- **CSFM:** 7300-653:187 (outdoor strobes); 7125-1653:188 (horns/strobes)
- **MEA:** 582-06-E

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We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
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