



- UL and cUL listed
- 33 sound output settings
- Horn or chime sound output
- Indoor/outdoor* listed
- Pre-wire back plate
- Universal back plate mounting (single gang, double gang, octagon, or 4" square)
- Single screw mounting
- Low current draw

* Outdoor installation requires the BBK-1 #1500001, BBX-5R #4270048, or BBX-5W #4270049

The H-1224 Electronic Horn allows a number of applications on a single device. The horn settings include Temporal, Non-Temporal, March Time and a Chime sound. The horn also has Low, Mid and High volume settings for each pattern and tone. The tones include 2400 Hz, Electro-Mechanical, Broadband and Chime.

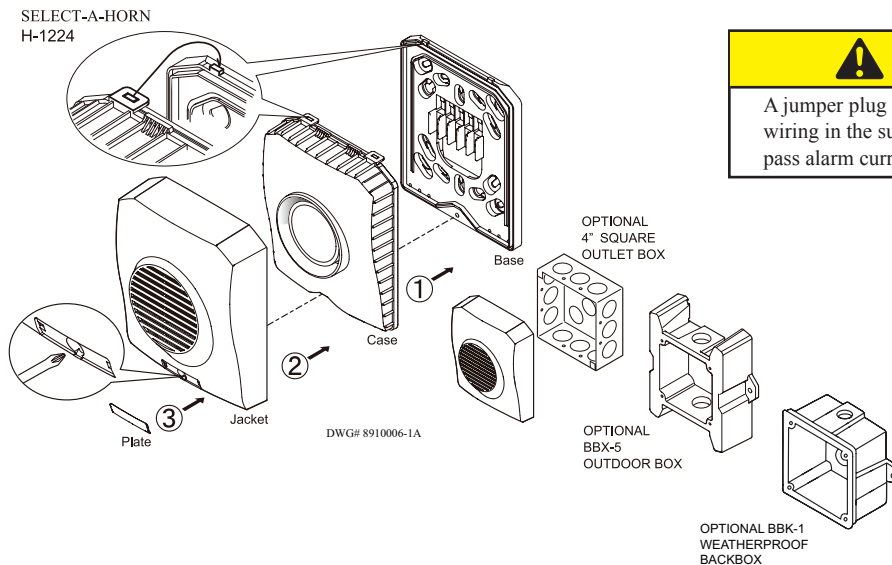
The voltage input can be either regulated DC or full wave rectified (FWR) 12 volt or 24 volt operation.

The H-1224 utilizes a universal mounting plate that will mount on a single gang, double gang, octagon and 4" square electrical

boxes. Outdoor installations must use either the BBK-1 4" square (weatherproof bell backbox) or the BBX-5 (weatherproof backbox). The back plate allows the installer to mount the plate and terminate the wire connections. The horn attaches in a hinge fashion from the top and is secured by a single mounting screw. The horn completely covers the mounting back plate, therefore it can be mounted before other trades work is completed and not affect the final look.

Installation

Note: Installation must comply in accordance with applicable standards.



⚠ CAUTION

A jumper plug is provided to test for correct wiring in the supervisory mode only. Do not pass alarm current through the jumper.

Ordering Information

| Stock Number | Model Number | Description | Color |
|--------------|--------------|-----------------|-------|
| 4560050 | H-1224R | Selectable horn | Red |
| 4560051 | H-1224W | Selectable horn | White |

Non-Temporal Horn Current

| Pattern | Volume | Max. RMS Current (mA RMS Current) | | dBA Reverberant Ratings per UL464 (dBA @ 10 ft.) | | dBA Anechoic Ratings per CAN/ULC S525 (dBA @ 10 ft.) | |
|--------------------|--------|--------------------------------------|------------|---|------------|---|------------|
| | | Reg 12 VDC | Reg 24 VDC | Reg 12 VDC | Reg 24 VDC | Reg 12 VDC | Reg 24 VDC |
| 2400 Hz | High | 119 | 87 | 87 | 87 | 99 | 100 |
| | Mid | 44 | 28 | 82 | 82 | 94 | 96 |
| | Low | 30 | 18 | 79 | 80 | 92 | 92 |
| Electro-Mechanical | High | 118 | 81 | 86 | 87 | 100 | 100 |
| | Mid | 43 | 26 | 82 | 84 | 96 | 97 |
| | Low | 27 | 16 | 79 | 80 | 93 | 93 |
| Broadband | High | 146 | 78 | 86 | 86 | 101 | 102 |
| | Mid | 41 | 26 | 81 | 82 | 96 | 98 |
| | Low | 28 | 16 | 77 | 79 | 94 | 95 |
| Chime | High | 27 | 21 | 70 | 70 | 86 | 86 |
| | Mid | 11 | 8 | 62 | 62 | 79 | 80 |
| | Low | 9 | 7 | 58 | 57 | 75 | 75 |

Temporal Horn Current

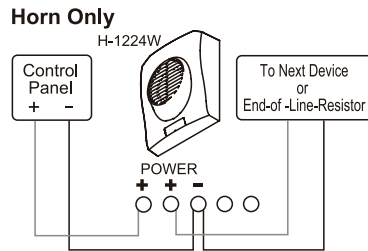
| Pattern | Volume | Max. RMS Current (mA RMS Current) | | dBA Reverberant Ratings per UL464 (dBA @ 10 ft.) | | dBA Anechoic Ratings per CAN/ULC S525 (dBA @ 10 ft.) | |
|--------------------|--------|--------------------------------------|------------|---|------------|---|------------|
| | | Reg 12 VDC | Reg 24 VDC | Reg 12 VDC | Reg 24 VDC | Reg 12 VDC | Reg 24 VDC |
| 2400 Hz | High | 124 | 87 | 82 | 82 | 100 | 100 |
| | Mid | 46 | 30 | 77 | 79 | 95 | 96 |
| | Low | 30 | 18 | 74 | 75 | 92 | 92 |
| Electro-Mechanical | High | 114 | 80 | 83 | 82 | 100 | 101 |
| | Mid | 42 | 27 | 78 | 80 | 95 | 96 |
| | Low | 28 | 16 | 75 | 76 | 93 | 93 |
| Broadband | High | 151 | 80 | 82 | 82 | 101 | 102 |
| | Mid | 45 | 26 | 77 | 78 | 97 | 98 |
| | Low | 30 | 16 | 75 | 76 | 94 | 95 |
| Chime | High | 29 | 21 | 68 | 70 | 86 | 86 |
| | Mid | 10 | 9 | 61 | 61 | 79 | 79 |
| | Low | 9 | 8 | 55 | 55 | 75 | 76 |

March Time Horn Current

| Pattern | Volume | Max. RMS Current (mA RMS Current) | | dBA Reverberant Ratings per UL464 (dBA @ 10 ft.) | | dBA Anechoic Ratings per CAN/ULC S525 (dBA @ 10 ft.) | |
|--------------------|--------|--------------------------------------|------------|---|------------|---|------------|
| | | Reg 12 VDC | Reg 24 VDC | Reg 12 VDC | Reg 24 VDC | Reg 12 VDC | Reg 24 VDC |
| 2400 Hz | High | 121 | 92 | 83 | 84 | 99 | 100 |
| | Mid | 47 | 31 | 79 | 81 | 95 | 96 |
| | Low | 36 | 19 | 76 | 77 | 92 | 92 |
| Electro-Mechanical | High | 114 | 86 | 83 | 83 | 100 | 100 |
| | Mid | 42 | 27 | 80 | 81 | 95 | 96 |
| | Low | 30 | 19 | 77 | 77 | 92 | 93 |
| Broadband | High | 153 | 77 | 83 | 84 | 101 | 102 |
| | Mid | 42 | 28 | 79 | 80 | 97 | 98 |
| | Low | 29 | 16 | 76 | 77 | 94 | 95 |

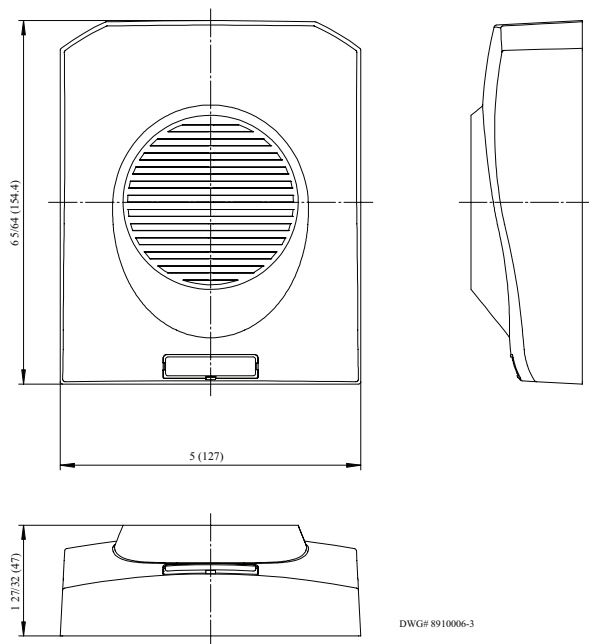
Wiring Diagram

Wiring Observe Polarity Use both terminals (or Lead) for connection. Break wire run to provide electrical supervision.



DWG# 8910006-2A

Dimensions: inches (mm)

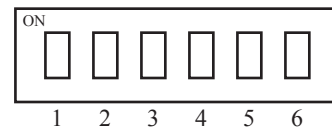


DWG# 8910006-3

Dipswitch Settings

Pattern

- 1 ON - Non-temporal
- 1 OFF - Temporal
- Both 2 = OFF
- 1 and 2 ON = March Time



Tone

- 3 and 4 ON = 2400Hz
- 3 ON and 4 OFF = Electromechanical
- 3 and 4 OFF = Chime
- 3 OFF and 4 ON = Broadband

Volume

- 5 and 6 ON = High
- 5 ON and 6 OFF = Mid
- 5 and 6 OFF = Low

| Voltage | 12/24V | |
|-----------------------------|--|---------------------|
| UL Designation | Regulated 12 DC/ FWR | Regulated 24 DC/FWR |
| Operating Voltage Range | 8 - 17.5V | 16 - 33V |
| Sync Modules | NA | Available |
| Operating Temperature Range | Indoor: 32°F to 120°F (0°C to 49°C) Outdoor: -40°F to 151°F (-40°C to 66°C) | |

Engineering Specifications

The installer shall provide and install the Potter H-1224 indoor/outdoor selectable horn. The horn shall have thirty-three (33) different settings. The horn shall be selectable for continuous (non-temporal), temporal (ANSI Code 3) and March Time patterns. The horns shall have a 2400 hertz, Electro-Mechanical, Broadband or a Chime tone. Each of the patterns and tones shall be selectable for a Low, Mid or High volume setting. The horn shall operate at 12 or 24 VDC regulated or full wave rectified. The horn shall have an operating range between 8 and 33 VDC. The horn shall utilize a mounting plate that allows the installer to pre-wire the mounting plate. The mounting plate shall be universal and mount on a single gang, double gang,

octagon or 4 inch square box. If the horn is needed in a wet or outdoor installation, it shall be mounted on either a BBK-1 4" square back box or a BBX-5 outdoor matching back box. The horn shall have a gasket on the back plate that seals the electrical connection of the terminal connection. The mounting plate shall be completely covered by the horn and shall be secured by a single screw. Operating temperature range will be 32°F to 120°F (0°C to 49°C) for indoor model and -40°F to 151°F (-40°C to 66°C) for outdoor model. The horn shall be UL listed to standard 464, Audible Signaling Devices. In addition, the device shall be cUL listed to CAN-ULC S525.