



- UL Listed
- 120 VAC operation
- Outdoor and indoor
- 6 sound output settings
- Pre-wire back plate
- Universal back plate mounting (single gang, double gang, octagon, or 4" square)
- Single screw mounting
- Low current draw
- BBX-5 weather proof backbox included

The SH-120 Series Select-A-Strobe/Horn™ is designed to provide audible and/or visual signals for fire and burglar alarm protection systems and notification signals for the purpose of life safety and protection.

The SH-120 are operable with a 120 VAC system between 96 VAC and 132 VAC. They can be interfaced with pull stations,

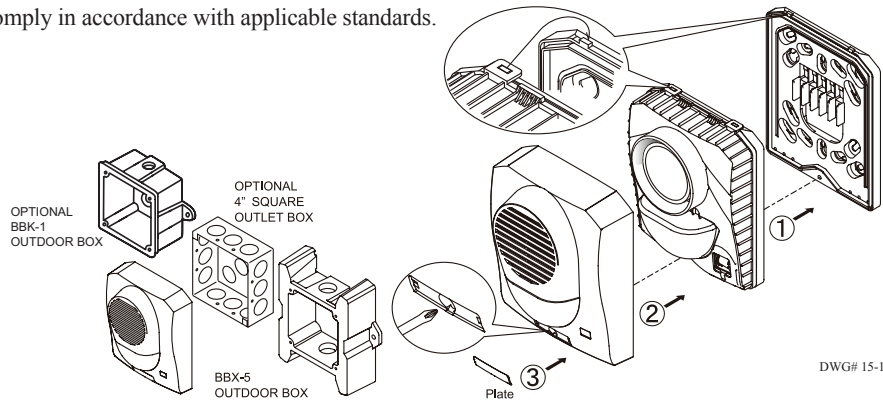
flow switches, and sprinkler systems for residential, commercial and industrial applications.

The SH Series combines a selective three horn tone and provides a continuous tone or temporal pattern (code 3) when constant voltage is applied.

This series is available with a red or white housing and a clear lens.

#### Installation

**Note:** Installation must comply in accordance with applicable standards.



#### Ordering Information

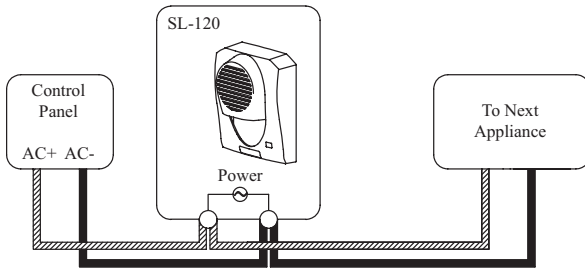
| Stock Number | Model Number | Description                  | Color |
|--------------|--------------|------------------------------|-------|
| 4710030      | SH-120R      | Selectable strobe/horn/chime | Red   |
| 4710031      | SH-120W      | Selectable strobe/horn/chime | White |
| 4270048      | BBX-5        | Back box (included)          | Red   |
| 4270049      |              |                              | White |
| 1500001      | BBK-1        | Bell back box                | Red   |

#### Engineering Specifications

The contractor shall provide and install a Potter SH-120 strobe/horn. The unit shall operate on a nominal 120 VAC input and have a selectable horn setting. The unit shall be listed to UL standard 1638, General Signaling for indoor and outdoor applications. The strobe shall have a 110 candela rating. The unit shall include a weather proof back box as part of the standard package. The device shall

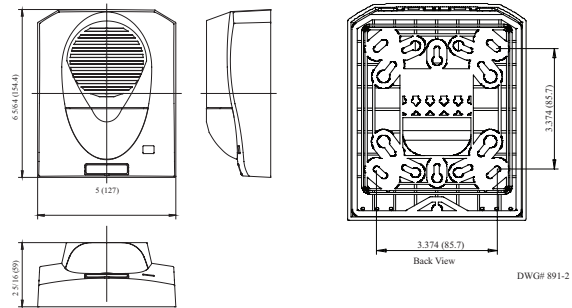
have a universal pre-wire mounting plate for the ease of connection. The universal back plate shall allow for connection to a single gang, double gang, 4" square standard or deep box, BBK-1 weather proof bell back box or the BBX-5 custom weather proof back box. The horn shall be listed to UL standard 464, Audible Signaling devices.

### Wiring Diagram

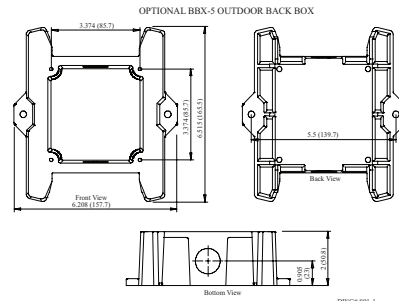


DWG# 16-2

### Dimensions: inches (mm)



DWG# 891-2



DWG# 891-1

Includes 4 ea.  
#8-32 x 3/4 screws

### WARNING

High voltage may be present inside the light assembly even though power is not connected. If access to the component board is required (removal or replacement), the capacitor must be discharged by touching a wire to both ends of the flashtube.

DO NOT attempt to touch or move the assembly until the capacitor has been discharged.

### Specifications

| Series | Rated Voltage   | Max RMS Operating Current (mArms)         | Light Output   | Flash Rate  | Operating Voltage Range | Operating Temperature Range       | Construction Type  | Materials                          |
|--------|-----------------|-------------------------------------------|----------------|-------------|-------------------------|-----------------------------------|--------------------|------------------------------------|
| SH-120 | 120 VAC<br>60Hz | N/A<br>(current varies with horn setting) | 110 cd on axis | 72 per min. | 96-132 VAC              | -40°F to 151°F<br>(-40°C to 66°C) | indoor/<br>outdoor | ABS housing,<br>polycarbonate lens |

| Series | Pattern  | Tone               | Switch Setting<br>ON: 1 OFF: 0 |     |     | Max. RMS Operating Current (mArms) | dBA Reverberant Ratings per UL 464 (dBA @ 10Ft) |
|--------|----------|--------------------|--------------------------------|-----|-----|------------------------------------|-------------------------------------------------|
|        |          |                    | SW1                            | SW2 | SW3 |                                    |                                                 |
| SH-120 | Steady   | 2400Hz             | 1                              | 1   | 1   | 115                                | 87.7                                            |
|        |          | Electro Mechanical | 1                              | 0   | 1   | 119                                | 87.8                                            |
|        |          | Broadband          | 0                              | 1   | 1   | 115                                | 88.2                                            |
|        | Temporal | 2400Hz             | 1                              | 1   | 0   | 111                                | 81.1                                            |
|        |          | Electro Mechanical | 1                              | 0   | 0   | 112                                | 83.4                                            |
|        |          | Broadband          | 0                              | 1   | 0   | 110                                | 83.4                                            |

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