# **PATLITE**Audible Signal Overview

## **Audible Signal Devices**

Patlite offers a wide range of audible signal devices for either installation panel or surface mount applications with a variety of decibel ranges and options. All options come with pre-configured digital audio tones and the ability to be field configured using an SD card.

- Up to 110db (signal horn)
- Temperature tolerant (typically -10°C or less to +50°C or more)
- Good environmental protection ratings when installed correctly
- Wide range of digital tones to choose from
- Optional SD card can be used to field configure tones
- · Variety of models for both AC and DC applications
- Polycarbonate or plastic construction

#### Audible Accessories

Accessories for Patlite audible signal devices:

- Replacement parts
- 2GB SD card









# **PATLITE**Audible Alarm Buzzers

### **Panel-mount Electronic Buzzers**

#### **BM Series Buzzer Features**

- Available in both AC and DC versions
- 30mm round mounting on 50mm square backing
- Two selectable alarm sounds
- Up to 90dB volume
- Meets IP30 standards
- · Designed to operate in temperatures from -10 to 60°C [14 to 140°F]

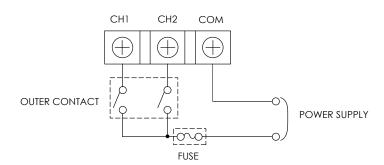


BM-202H

| BM Series Buzzer Specifications |   |  |
|---------------------------------|---|--|
| Part Number                     | <u>BM-202H</u>  | <u>BM-212H</u>   |
| Price                           | \$36.50   | \$36.50  |
| Drawing Link                    | PDF   | PDF  |
| Description                     | Buzzer  |  |
| Rated Voltage                   | 24V AC/DC   | 120VAC   |
| Operating Voltage Range         | Rated voltage ± 10%   |  |
| Rated Power Consumption         | 0.4 W   | 2.5 W  |
| Maximum Volume                  | 85dB @ 1m   | 90dB @ 1m  |
| Tone Type                       | Buzzer 1: Slow intermittent<br>Buzzer 2: Fast intermittent  |  |
| Operating Temperature           | -10 to 60°C [14 to 140°F]   |  |
| Operating Ambient Humidity      | Less than 85% (no condensation)   |  |
| Mounting Location               | Indoors   |  |
| Mounting Direction              | Upright, sideways, upside-down  |  |
| Protection                      | IP30 (IEC 60529)  |  |
| Insulation Resistance           | More than 1MΩ at 500VDC between terminals and chassis   |  |
| Withstand Voltage               | 500VAC applied for 1<br>minute between terminals<br>and chassis   | 1500VAC applied for 1 minute between terminals and chassis |
| Weight                          | 100g [3.5 oz]   |  |
| Housing Material                | ABS Plastic   |  |
| Agency Approvals                | EMC Directive (EN 55011,<br>EN 610006-2)<br>RoHS Directive (EN 50581)<br>Conforms to CE<br>requirements | -  |

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

# **Wiring Diagram**

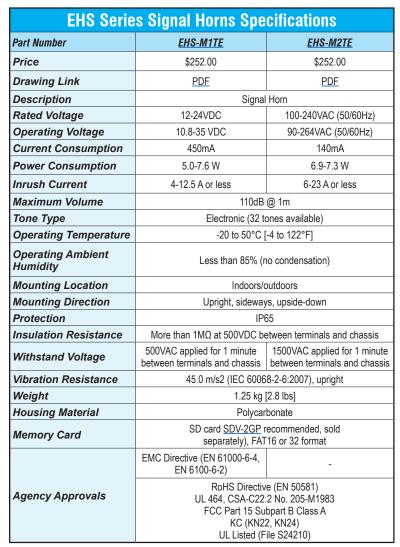


# **PATLITE**<sub>®</sub> Audible Signal Horns

# **Electronic Sound Signal Horns**

#### **EHS Series Horns Features**

- · Compact signal horn
- Four playback modes
- · Can be used with either PNP or NPN inputs
- · Meets IP65 standards
- Designed to operate in temperatures from -20 to 50°C [-4 to 122°F]
- Polycarbonate construction
- 32 standard sounds
- Optional SD card for field configuration (sold separately)



To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

| EHS Series Accessories        |         |  |  |
|-------------------------------|---------|--|--|
| Part Number Price Description |         | Description  |  |
| V21100522-F1                  | \$33.50 | Replacement cover, for EHS series signal horns         |  |
| V13100076-F1                  | \$31.00 | Replacement 16 inch cable, for EHS series signal horns |  |
| SDV-2GP                       | \$18.00 | 2GB SD card  |  |



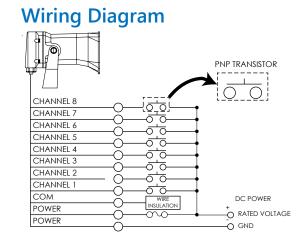
EHS-M1TE



V21100522-F1



V13100076-F1



# 

### **BD Series Panel- or Surface-mount Electronic Alarms**

#### **Features**

- 80mm square alarm
- 32 different alarm tones available
- Up to 90dB volume
- Meets IP54 standards
- Designed to operate in temperatures from -20 to 55°C [-4 to 131°F]
- ABS plastic construction
- 32 standard sounds
- Optional SD card for field configuration (sold separately)



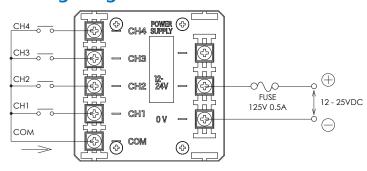
BD-24AE-J

| BD Series Accessories         |         |             |
|-------------------------------|---------|-------------|
| Part Number Price Description |         | Description |
| SDV-2GP                       | \$18.00 | 2GB SD card |

| BD Series Alarm Specifications |               |   |           |  |
|--------------------------------|---------------|---|-----------|--|
| Part Number                    |               | BD-24AE-J   | BD-24AE-K |  |
| Price                          |               | \$122.00  | \$122.00  |  |
| Drawing Link                   |               | PDF   | PDF       |  |
| Description                    |               | Alarm   |           |  |
| Rated Voltage                  | Rated Voltage |   | 12-24VDC  |  |
| Operating Volta                | age Range     | 10.8-26.4 VDC   |           |  |
| Rated Power                    | Standby       | 0.5 W   |           |  |
| Consumption                    | Maximum       | 4.  | .0 W      |  |
| Maximum Volu                   | me            | 90dB @ 1m   |           |  |
| Tone Type                      |               | Electronic (32 tones available)   |           |  |
| Operating Tem                  | perature      | -20 to 55°C [-4 to 131°F]   |           |  |
| Operating Amb                  | ient Humidity | y Less than 85% (no condensation)   |           |  |
| Mounting Location              |               | Indoors   |           |  |
| Mounting Direct                | ction         | Upright, sideways, inverted   |           |  |
| Protection                     |               | IP54  |           |  |
| Insulation Resistance          |               | More than 1M $\Omega$ at 500VDC between terminals and chassis   |           |  |
| Withstand Volt                 | age           | 500VAC applied for 1 minute between terminals and chassis   |           |  |
| Vibration Resis                | tance         | 19.6 m/s2 (IEC 60529)   |           |  |
| Weight                         |               | 160g [5.6 oz]   |           |  |
| Housing Mater                  | ial           | ABS plastic   |           |  |
| Housing Color                  |               | Light gray  | Dark gray |  |
| Agency Approv                  | vals .        | EMC Directive (EN 61000-6-4, EN 61000-6-2) RoHS Directive (EN 50581) FCC Part 15, Subpart B Class A UL 464, CSA-C22.2 No. 205-M1983 UL Recognized (File S24210) Conforms to CE requirements |           |  |

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

## Wiring Diagram



# **PATLITE**Audible Electronic Alarms

# **BSV Series Panel- or Surface-mount Electronic Alarms**

#### **Features**

- · Compact alarm that plays 15 prerecorded alarms
- Up to 90dB volume
- · Meets IP54 standards when panel mounted
- Works with PNP inputs
- Designed to work in temperatures from -10 to 50°C [14 to 122°F]
- Polycarbonate construction
- 15 standard sounds
- Optional SD card for field configuration (sold separately)



BSV-24P-D

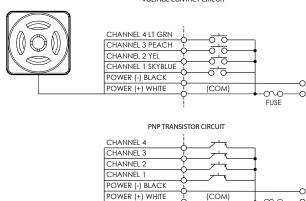
| BSV Series Accessories        |         |             |
|-------------------------------|---------|-------------|
| Part Number Price Description |         | Description |
| SDV-2GP                       | \$18.00 | 2GB SD card |

| BSV Series Alarm Specifications |   |                  |  |
|---------------------------------|---|------------------|--|
| Part Number                     | BSV-24P-D   | <u>BSV-24P-W</u> |  |
| Price                           | \$141.00  | \$141.00         |  |
| Drawing Link                    | PDF   | PDF              |  |
| Description                     | A   | larm             |  |
| Rated Voltage                   | 12-2  | 24VDC            |  |
| Operating Voltage Range         | 10.8-26.4 VDC   |                  |  |
| Rated Power Consumption         | 3.5 W   |                  |  |
| Maximum Volume                  | 85dB @ 1m   |                  |  |
| Tone Type                       | Electronic (15 tones available)   |                  |  |
| Operating Temperature           | -10 to 50°C [14 to 122°F]   |                  |  |
| Operating Ambient<br>Humidity   | Less than 85% (no condensation)   |                  |  |
| Mounting Location               | Panel mount: Indoor/outdoor<br>Wall mount: Indoors  |                  |  |
| Mounting Direction              | Upright, sideways, inverted   |                  |  |
| Protection                      | Panel mount: IP54 (upright mounting direction only) Wall mount: IP20  |                  |  |
| Insulation Resistance           | More than 1MΩ at 500VDC between terminals and chassis   |                  |  |
| Withstand Voltage               | 500VAC applied for 1 minute between terminals and chassis   |                  |  |
| Vibration Resistance            | 70.0 m/s2 (in the x, y, and z directions for 2 hours each at 30Hz)  |                  |  |
| Weight                          | 100 [3.5 oz]  |                  |  |
| Housing Material                | Polycarbonate   |                  |  |
| Housing Color                   | Dark gray   | Off-white        |  |
| Agency Approvals                | EMC Directive (EN 61000-6-4, EN 61000-6-2) RoHS Directive (EN 50581) FCC Part 15, Subpart B Class A UL Recognized (File S24210) |                  |  |

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# **Wiring Diagram**

VOLTAGE CONTACT CIRCUIT



www.automationdirect.com Pilot Devices tPIL-334