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

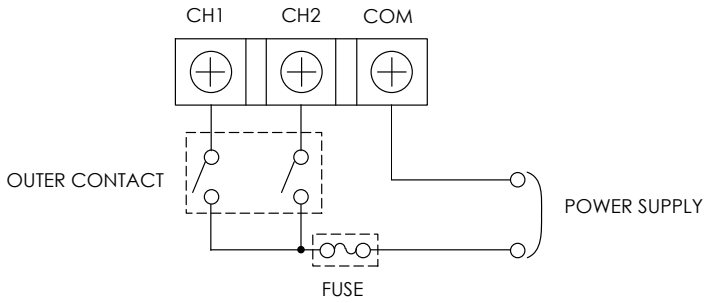
- Available in both AC and DC versions
- 30mm round mounting on 50mm square backing
- Two selectable alarm sounds
- Up to 90dB volume
- Meets IP30 standards
- Designed to operate in temperatures from -10 to 60°C [14 to 140°F]

BM-202H

BM Series Buzzer Specifications		
Part Number	***BM-202H***	***BM-212H***
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 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 minute between terminals 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, EN 610006-2) RoHS Directive (EN 50581) 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 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)

EHS-M1TE

V21100522-F1

V13100076-F1

EHS Series Signal Horns Specifications		
Part Number	***EHS-M1TE***	***EHS-M2TE***
Price	$252.00	$252.00
Drawing Link	PDF	PDF
Description	Signal Horn	
Rated Voltage	12-24VDC	100-240VAC (50/60Hz)
Operating Voltage	10.8-35 VDC	90-264VAC (50/60Hz)
Current Consumption	450mA	140mA
Power Consumption	5.0-7.6 W	6.9-7.3 W
Inrush Current	4-12.5 A or less	6-23 A or less
Maximum Volume	110dB @ 1m	
Tone Type	Electronic (32 tones available)	
Operating Temperature	-20 to 50°C [-4 to 122°F]	
Operating Ambient Humidity	Less than 85% (no condensation)	
Mounting Location	Indoors/outdoors	
Mounting Direction	Upright, sideways, upside-down	
Protection	IP65	
Insulation Resistance	More than 1MΩ at 500VDC between terminals and chassis	
Withstand Voltage	500VAC applied for 1 minute between terminals and chassis	1500VAC applied for 1 minute between terminals and chassis
Vibration Resistance	45.0 m/s2 (IEC 60068-2-6:2007), upright	
Weight	1.25 kg [2.8 lbs]	
Housing Material	Polycarbonate	
Memory Card	SD card SDV-2GP recommended, sold separately), FAT16 or 32 format	
Agency Approvals	EMC Directive (EN 61000-6-4, EN 6100-6-2)	-
	RoHS Directive (EN 50581) UL 464, CSA-C22.2 No. 205-M1983 FCC Part 15 Subpart B Class A KC (KN22, KN24) UL Listed (File S24210)	

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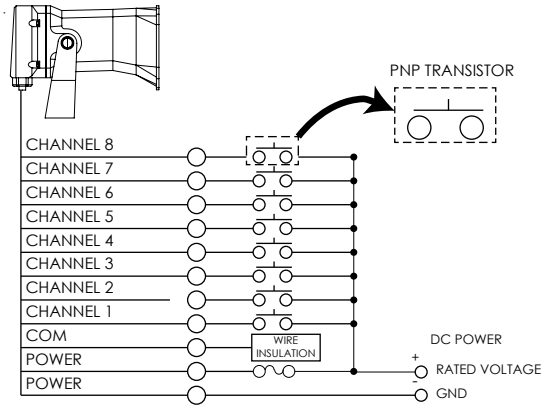
Wiring Diagram



EHS Series Accessories		
Part Number	***Price***	***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

PATLITE® Audible Electronic Alarms

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**
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		12-24VDC	
Operating Voltage Range		10.8-26.4 VDC	
Rated Power Consumption	**Standby**	0.5 W	
	Maximum	4.0 W	
Maximum Volume		90dB @ 1m	
Tone Type		Electronic (32 tones available)	
Operating Temperature		-20 to 55°C [-4 to 131°F]	
Operating Ambient Humidity		Less than 85% (no condensation)	
Mounting Location		Indoors	
Mounting Direction		Upright, sideways, inverted	
Protection		IP54	
Insulation Resistance		More than 1MΩ at 500VDC between terminals and chassis	
Withstand Voltage		500VAC applied for 1 minute between terminals and chassis	
Vibration Resistance		19.6 m/s2 (IEC 60529)	
Weight		160g [5.6 oz]	
Housing Material		ABS plastic	
Housing Color		Light gray	Dark gray
Agency Approvals		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	

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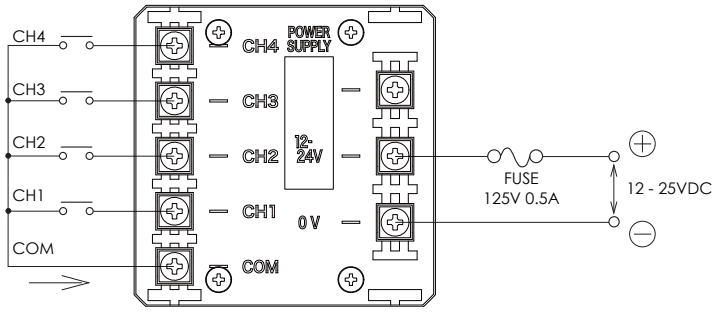
Wiring Diagram



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***
SDV-2GP	$18.00	2GB SD card

BSV Series Alarm Specifications		
Part Number	***BSV-24P-D***	***BSV-24P-W***
Price	$141.00	$141.00
Drawing Link	PDF	PDF
Description	Alarm	
Rated Voltage	12-24VDC	
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 Humidity	Less than 85% (no condensation)	
Mounting Location	Panel mount: Indoor/outdoor 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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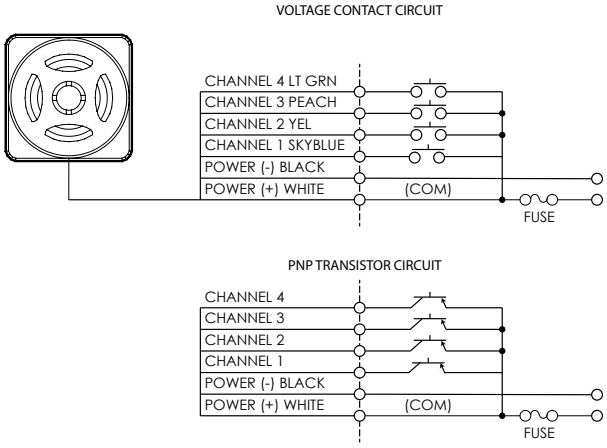
Wiring Diagram