

# BD-A

## Audible Alarm



AC/DC 24V Only



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90dB at 1m

4 Channels / 32 Sounds

IP54

□80

NPN  
Open-collector



## The BD Series can play melodies, chimes and alarms with variable audible control and a compact, but loud speaker.

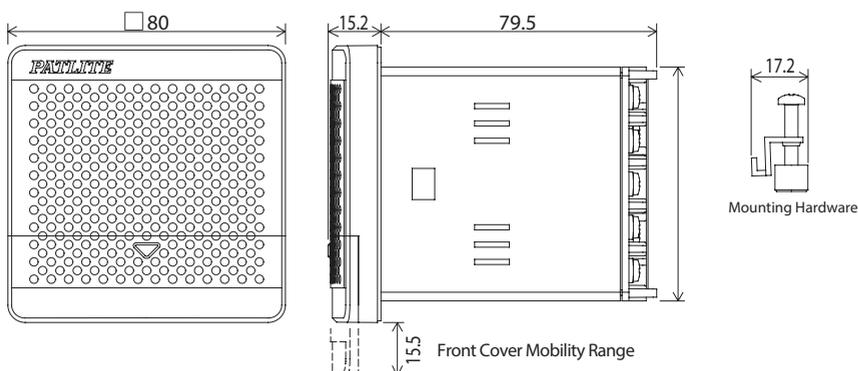
### FEATURES

- Maximum output level of 90dB (at 1m) is suitable for use in a noisy factory.
- 32 pre-recorded sounds in one unit to be used for various applications.
- Sound output level and sound group can be selected by rotary switches stored behind the front panel for easier operation, even after installation.
- Select a sound group to playback 4 pre-recorded sounds.
- A new sound group can be created from the 32 sounds by using an optional memory card (sold separately).
- Compliant with the RoHS directive
- Has the CE mark and conforms to the requirements (for 12V/24V type) for the EC directive.
- Is a UL recognized component (File No. E24210).

### AVAILABLE BY SPECIAL ORDER

- Binary input controlled 15 sound playback model.
- PNP open collector transistor type.

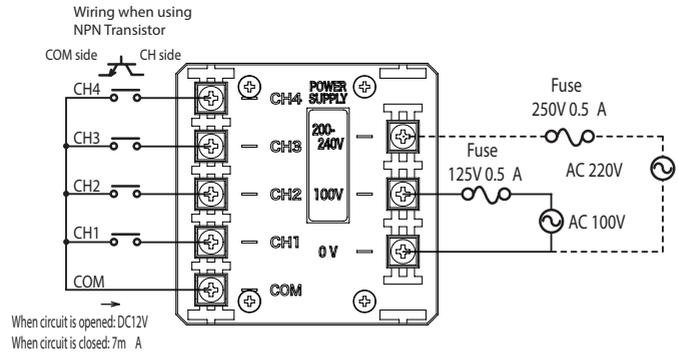
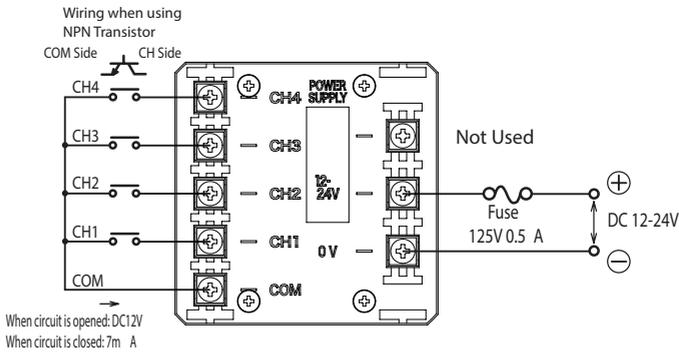
### Dimensions (Unit: mm)



### How to Order

<b>BD-□ A □ - □</b>	
Model	Color
Rated Voltage	J : Light Gray K : Dark Gray
24 : DC 12-24V 100: AC 100V/220V	Sound Type
	A : Type A* C : Type C* D : Type D* E : Type E
*Copyright laws limits availability to only Japan.	





## Melody List

Type A		(Japan Only)	
Beep (slow intermittent)	Stutter (rapid intermittent)	Bell (clear high-pitch)	Yelp (rapid siren)
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter + Bell	Synthesized Melody	Chime	Call Sign
Fur Elise	Maiden's Prayer	Bach Minuet in Gmaj	Annie Laurie
London Bridge is falling down	Hol-di-ri-Dia	Mary had a little Lamb	Camptown Races
Cuckoo Song	Village Blacksmith	On the Bridge of Avignon	Daydream Believer
Amaryllis	Mozart Symphony No. 40	Quiet Lakeside	Ich bin ein Musikante
Spanish Romance	Katyusha	Grandfather's Clock	Ave Maria

Type D		(Japan Only)	
Beep (slow intermittent)	Stutter (rapid intermittent)	Bell (clear high-pitch)	Yelp (rapid siren)
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Runner	Mamotte Agetai	Chime	Call Sign
Iribiao Kikinagara	September	Doyoubino Koibito	Akino Kehai
Saafu Tengoku Sukii Tengoku	Iro White-blend	Happy Birthday	Hi Ho
I've been working on the Railroad	The Bear Song	Toys Go "Cha-cha-cha"	Konnako Irukana
Schubert's Lullaby	Rudolph the red-nosed Reindeer	She Wore a Yellow Ribbon	My Darling, Clementine
Yellow Rose of Texas	Yankee Doodle	When the Saints Go Marching In	Londonderry Air

Type C		(Japan Only)	
Beep (slow intermittent)	Stutter (rapid intermittent)	Bell (clear high-pitch)	Yelp (rapid siren)
Rapid Hi-Lo	Synthesized Melody	Synthesized Piano	Synthesized Bell
Stutter + Bell	Synthesized Melody Chime	Chime	Call Sign
Can't take my eyes off of you	Top of the World	The Entertainer	Amazing Grace
Amairono Kamino Otome	Les Champs-Elysees	Canon	Rara Sunshine
Uchuusenkan Yamamoto	Oshiete	Makenaide	Gonna Fly Now (Theme from "Rocky")
I don't Wanna Miss a Thing	Yozoran Mukou	Aiwa Katsu	Haruyo Koi
Gattsudaze	Odoru Ponpokorin	Imasugu Kisu Mi	Truth

Type E		(Worldwide)	
Beep (slow intermittent)	Stutter + Bell	Inverted Reveille	Annie Laurie
Stutter (rapid intermittent)	Synthesized Melody	Galactic Motor	London Bridge is falling down
Bell (clear high-pitch)	Chime	Ringling Phone	Mary had a little Lamb
Yelp (rapid siren)	Call Sign	Two Tone	Camptown Races
Rapid Hi-Lo	Train Ride	Alarm Clock	Amaryllis
Melody Chime	Galloping Hi-Lo	Ringling Hi-Lo	Mozart Symphony No. 40
Synthesized Piano	Alien Chatter	Fur Elise	Ave Maria
Synthesized Bell	Falling Crystals	Bach Minuet in Gmaj	Grandfather's Clock

## Specifications

Model	BD-24A □ - □	BD-100A □ - □
Rated Voltage	DC 12V - 24V	AC 100V/AC 220V (50/60Hz)
Operating Voltage Range	DC 10.8V- 26.4V	AC 100V ±10%/AC 220V ±10%
Operating Temperature Range	-20°C - +55°C	
Relative Humidity	85% RH (No Condensation)	
Power Consumption	Maximum 4.0W	Maximum 5.5W
Volume	Adjustable up to a maximum of 90dB (at 1m) when flush-mounted. (Volume may be less, depending on surrounding environment and playback sound)	
Input Method	Bit Input	
Input Signal Duration	Continuous	
Boot-up Time	Input Voltage: 1 sec. or less Channel Signal Input: 170msec or less	
Channels	4 Channels	
Recorded Sound	32 Melodies and Alarm Sounds	
Sound Group	16 Patterns (A to P)	
Protection Rating	IP54 (When flush-mounted, Upright direction Only)	
Vibration Resistance	19.6m/s <sup>2</sup>	
Mass (Tolerance ±10%)	160g	180g

### Use of Copyrighted Material

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