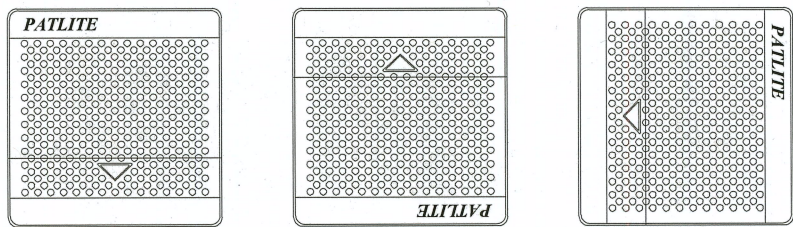


Specifications

BD-E

Input Voltage	Options	DC12V / DC24V
	Rated Voltage	DC 12 - 24V
	Operating Voltage	DC 10.8 – 26.4V
Operating Temperature Range	-20°C ~ +55°C	
Relative Humidity	85% or lower (no condensation)	
Sound Level	90dB or more (at 1m), may be less depending on sound type, operating conditions, and supply voltage	
Volume Adjustment	Continuously adjustable from zero	
Mounting Location Options	Indoor use only	
Mounting Direction Options	 <p>Normal Direction : O Reverse Direction : O Lateral Direction : O</p>	
Protection Rating	IP-54 (panel-mounted, normal direction, front only)	
Vibration	19.6m/s ² (JIS C0911-1984)	
Insulation Resistance	More than 1 Megohm between terminals and chassis at DC500V	
Dielectric Strength	AC500V applied between terminals and chassis for 1 minute without breaking insulation	
Signal Line Voltage	DC12V	
Signal Line Current	7mA	
Total Power Consumption	Max. 4W / Min. 0.5W	
Standby Current	25mA	
Leakage Current	I _L = 1mA or less	
Fuse (not included)	0.5A , 125V	

Reference numbers with corresponding pre-recorded sounds installed in this unit (32 total):

Ref	Sound	Ref	Sound	Ref	Sound	Ref	Sound
1	Beep (Slow intermittent horn)	9	Stutter + Bell	17	Inverted Reveille	25	Annie Laurie
2	Stutter (Rapid intermittent horn)	10	Synthesized Melody	18	Galactic Motor	26	London Bridge is Falling Down
3	Bell (Clear, high-pitched bell)	11	Chime	19	Ringing Phone	27	Mary Had a Little Lamb
4	Yelp (Rapid siren)	12	Call Sign	20	Two Tone	28	The Camptown Races
5	Rapid Hi-Lo	13	Train Ride	21	Alarm Clock	29	Amaryllis
6	Melody Chime	14	Galloping Hi-Lo	22	Ringing Hi-Lo	30	Mozart Symphony #40
7	Synthesized Piano	15	Alien Chatter	23	Fur Elise	31	Ave Maria
8	Synthesized Bell	16	Falling Crystals	24	Minuet in G	32	My Grandfather's Clock

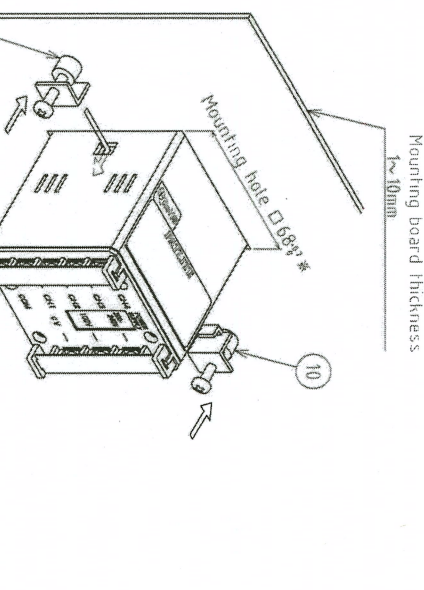
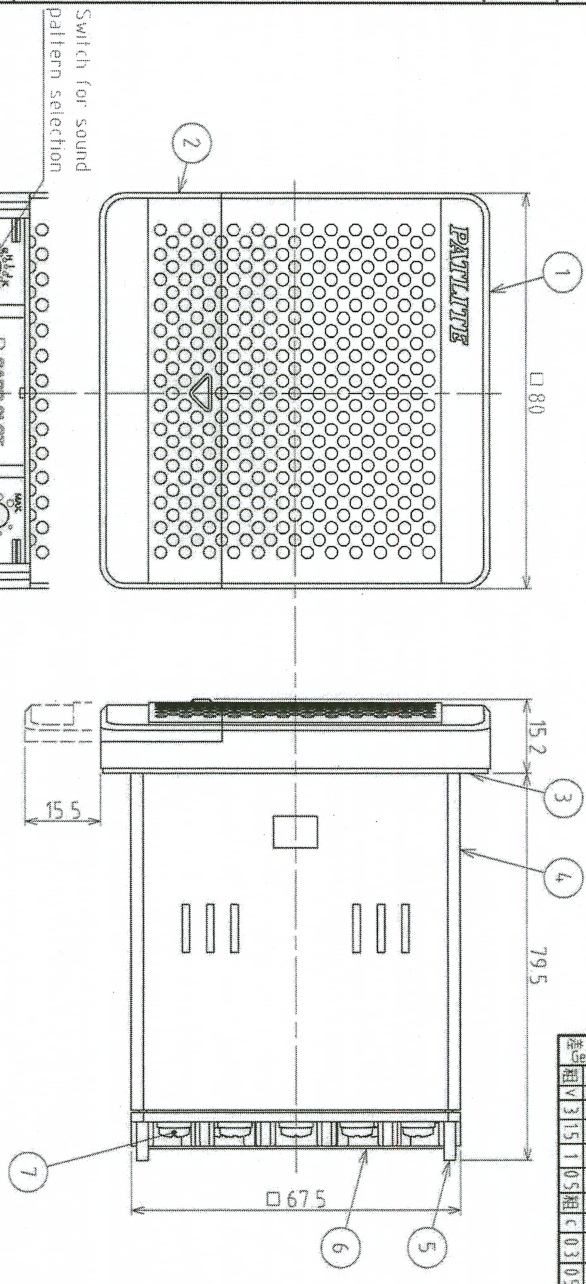
<p>Factory default: 16 groups of sounds.</p> <p>Any group is selectable from a hidden front-panel control.</p> <p>4 channels per group; any channel is selectable by wiring.</p> <p>The 4 channels in group P can be re-programmed with any of the existing sounds via optional SD card (Patlite part number SDV-128P, sold separately)</p>	Group	Channel 1	Channel 2	Channel 3	Channel 4
	A	Beep	Stutter	Bell	Yelp
	B	Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
	C	Stutter + Bell	Synthesized Melody	Chime	Call Sign
	D	Train Ride	Galloping Hi-Lo	Chime	Call Sign
	E	Alien Chatter	Falling Crystals	Chime	Call Sign
	F	Inverted Reveille	Galactic Motor	Chime	Call Sign
	G	Ringing Phone	Two Tone	Chime	Call Sign
	H	Alarm Clock	Ringing Hi-Lo	Chime	Call Sign
	I	Fur Elise	Minuet in G	Chime	Call Sign
	J	Annie Laurie	Ave Maria	Chime	Call Sign
	K	Mary Had a Little Lamb	The Camptown Races	Chime	Call Sign
	L	Amaryllis	Mozart Symphony #40	Chime	Call Sign
	M	Ave Maria	My Grandfather's Clock	Chime	Call Sign
	N	Fur Elise	London Bridge is Falling Down	Chime	Call Sign
	O	Annie Laurie	Minuet in G	Chime	Call Sign
P	Two Tone	Alarm Clock	Mozart Symphony #40	Ave Maria	

Specifications (Continued)

BD-E

Signal Initiation	Contact closure plays selected channel until contact is open	
Minimum Channel Contact Closure Time	More than 170msec	
Minimum power-on time	More than 1 sec	
Applicable Standards	CE	This product complies the EC DIRECTIVE indicated by the CE marking
	RoHS	This product complies with the RoHS Directive 2002/95/EC
	UL Component Recognition	This product complies with UL Standard 464 (File Number S24008)

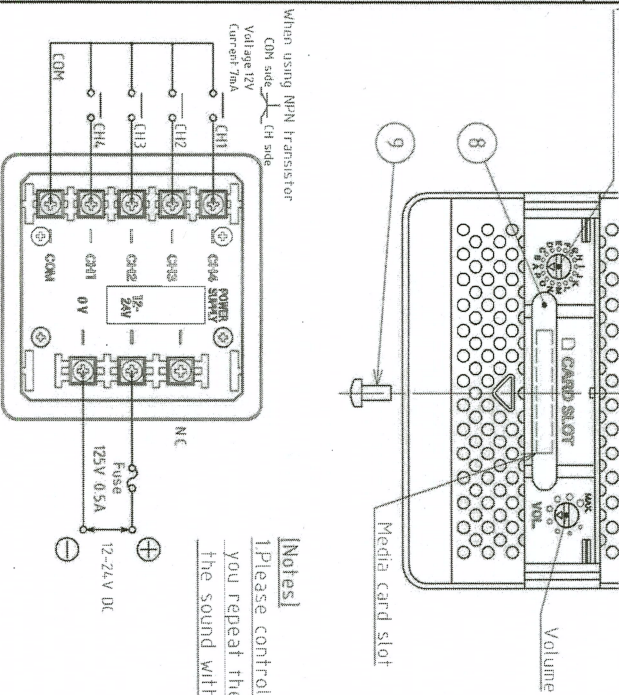
角度公差	+/-1	寸法公差	+/-1mm	符号	年月日	訂正履歴	記号
Dimensional tolerance		Dimensional tolerance		Sym	Date	Revisions	印
定公差	1000	定公差	6-30-20-300(600)	△			承認
公差	1050/1000	公差	0.05/0.1/0.2/0.4/0.6	△			承認
公差	1050/301	公差	0.1/0.2/0.5/0.7/1	△			承認
公差	315/105	公差	0.3/0.5/1/2	△			承認



Hang two Mounting Angles on the hole of product's side face and tighten it's screws after inserting product in mounting hole (Recommended tightening torque 0.7~0.9N·m)

* Mounting hole dimension complies with IEC-61554/IDIN-4-3700

Product mounting drawing



BD-24 Wiring diagram

[Notes]

Please control on/off by signal input increase you repeat the play and the stop of the sound within 10 seconds.

When using NPN Transistor
 CN side CH side
 Voltage 12V
 Current 7mA

12-24V DC
 Fuse 125V 0.5A

No.	Part Name	Quantity	Material & Size & Finish	Remarks
10	Mounting Angle	2		
9	+Pan Head Screw	1	M3X6 For Front Cover Mounting	
8	Slot Waterproof Rubber	1	EPDM	
7	+Pan Head Screw With Square Washer	8	M3X6 For Wiring	
6	Terminal Cover	2	PC T=0.38	
5	Rear Cover	1	ABS Dark Gray	
4	Case	1	ABS Dark Gray	
3	Waterproof Sheet	1	CR T=1.0	
2	Front Cover	1	ABS Light Gray/Dark Gray	
1	Front Panel	1	ABS Light Gray/Dark Gray	

No.	Part Name	Quantity	Material & Size & Finish	Remarks
10	Mounting Angle	2		
9	+Pan Head Screw	1	M3X6 For Front Cover Mounting	
8	Slot Waterproof Rubber	1	EPDM	
7	+Pan Head Screw With Square Washer	8	M3X6 For Wiring	
6	Terminal Cover	2	PC T=0.38	
5	Rear Cover	1	ABS Dark Gray	
4	Case	1	ABS Dark Gray	
3	Waterproof Sheet	1	CR T=1.0	
2	Front Cover	1	ABS Light Gray/Dark Gray	
1	Front Panel	1	ABS Light Gray/Dark Gray	

Dimensional drawing

品目コード Part No. BD-24

製図者	Y. Naito	承認者	Y. Naito
製図日	20 May 07 23 Feb 09	承認日	23 Feb 09
製図機	単位 Unit	尺数 Scale	
3rd Angle P	mm		

株式会社 PATLITE Corporation	図番 Drawing No. BD-24-A18E-3	3
--------------------------	-----------------------------	---