PATLITE

C95100122 01 FC015

Audible Alarm with Revolving Light **Instruction Manual**

TYPE: RT

Thank you very much for purchasing our Patlite products.

Prior to installation, read this manual thoroughly before using this product to ensure correct use. In addition, please store this manual for future reference when performing maintenance, repairs or inspections.

If there are any questions concerning this product, refer to the contact information at the end of this document and contact your nearest PATLITE Sales Representative.

Safety Precautions

In order to prevent any damage to the user and other personnel or to assets,

■The following symbols classifies the following precautions into two catagories and explains the level of harm inflicted when caution is disregarded while using this product.

⚠ DANGER

Indicates a dangerous condition: failure to follow the instructions will result in death or serious injury

the instructions may lead to death or serious injury.

|⚠ WARNING|

Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.

Indicates an imminently dangerous condition: failure to follow

Notes

⚠ CAUTION

Notice regarding supplementary information or convenient explanation is indicated.

1. Safety Precautions



caution, risk of fire

• Do not put the flammable material, such as paper or cloth, on the rotating light while it is in operation. It may cause a fire.

- Be sure to turn the power off before wiring or installing the product. Failure to do so may cause electric shock.
- Do not disassemble or modify this product. Failure to comply may result in electrical shock, or fire.
- Wire the product correctly. If the wiring in incorrect, internal circuitry may become damaged, which may result in malfunction or fire.
- Be sure to use this product within the rated voltage range. Failure to do so may result in damage or fire.
- Be sure to let specialists perform installation task which requires construction work. Failure to do so may cause electric shock, fire, or falling.

CAUTION -

- To protect the power source and internal circuitry, be sure to install an externa
- Make sure not to use any other bulbs except ones described in specifications.
- Do not operate this product with the dome removed, to prevent injury from burns by the heat of the bulb, or from the mirror.

Failures caused by not observing the Warnings and Cautions, or in ways such as disassembling or converting the product, and by natural disasters are not covered under warranty. Do not use this product in ways other than what is described in this document

Notes

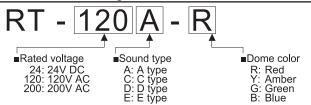
- Use the product in an environment where there is no electromagnetic or inductive noise. Speakers are known to generate noise.
- Use the product in an environment where there is no corrosive gas. Failure to do so may cause malfunction.
- Before working on the product, discharge any static electricity by touching another grounded metal part with bare hands to discharge the static electricity.
- When this product is used for security purposes, it should be inspected daily. In case a malfunction should occur, it is recommended that this product be used together with other security products.
- Do not operate this product with the dome removed, cracked dome or loosened dome. Possible burns from the heat of the bulb, injury from the mirror or the product falling may occur.

*Cautionary note for the built-in Alarm/Melody

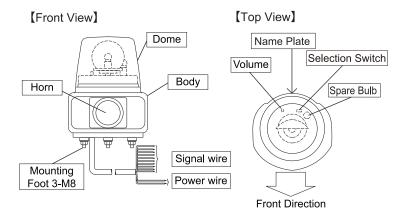
Although copyright licensing in Japan for the A, C, D type melodies have been obtained for the BD-□AA/C/D at our company, since copyright licensing for other countries outside Japan has not been acquired, it is recommended that the customer acquires it.

However, the melodies in the BD
AE (E type) do not require copyright consent, therefore it is the recommended sound group to use in countries outside of Japan.

2. Model Number Configuration

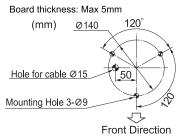


3. Part Names

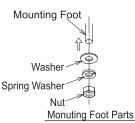


4. Installation

• Create mounting holes on a mounting surface. (Refer to the "Mounting Dimensional Drawing")



Mounting Dimensional Drawing (The drawing seen from under side of the board)



Remove the washer, spring washer and nut from the mounting foot, before mounting the product. Use each part when mounting the product









1

- WARNING

- Be sure to turn the power off before wiring or installing the product. Failure to do so may cause electric shock.
- Be sure to let specialists perform installation task which requires construction work. Failure to do so may cause electric shock, fire, or falling.

• Choose a location for the mounting surface where there is less vibration and it has enough strength to support the weight of the product. Failure to do so may result in injury or damage to the product.

Notes

- When mounting in a high place, be sure it is accessible for repair or maintenance work.
- Install a switch near the main body of this product when connecting it to a power source to be able to easily turn off the power for safety reasons.
- Do not install with the horn in an upward direction. Damage may occur if dust or water enters.
- Install the product on a flat surface without bumps and dips. Failure to do so may weaken its resistance to water and dust. To prevent the product from falling in places where vibration may be generated, apply a thread locking adhesive and periodically check the tightness of the mounting
- The mounting feet may loosen, due to the resonation of the mounting surface material and thickness, volume of the product and vibration sound being made.
- The life of the bulb shortens when exposed to intense vibrations.

5. Wiring Installation

For the signal line, use non-voltage external contacts, such as relay switches or an open collector circuit (NPN type). See Table 1, Table 2 and Table 3 below for the contact capacity.

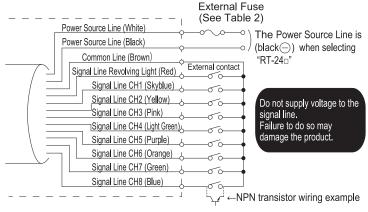


Table1. Signal Line Circuit

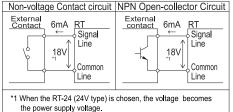


Table 2. Inrush Current/Fuse

Model	Inrush Current	Fuse						
RT-24□	max. 10A /20ms							
	max. 5A /20ms							
RT-200	max. 2.5A/20ms	250V 0.5A						
Table 3. Contact Capacity								

Test Play

S 1 2 3 4

Selection Switch

(Factory default setting)

Sound Group Selection

Table 3. Con	itact Capacity
Current Capacity	10mA or more
Withstand Voltage	27V DC or more
Leakage Current	0.1mA or less
ON Voltage(Vsat)	1V or less
,	

- ∕ WARNING

- Install a switch near the main body of this product when connecting it to a power source to be able to easily turn off the power for safety reasons.
- Wire the product correctly. If the wiring in incorrect, internal circuitry may become damaged, which may result in malfunction or fire.

- CAUTION

 Make sure to connect an external fuse to the power source as shown in the wiring example for safety

Notes

- Wire the product correctly, to prevent damage to internal circuitry.
- To prevent induction noise, it is recommended to make wires as short as possible, and to use shielded wires. Also, a malfunction may occur if a signal line is running parallel to high voltage cables, or signal wires are close enough to recieve induction noise.
- If a non-voltage contact, such as a relay or switch, etc., is used to control the power line, select the proper contact to handle the inrush current. If capacity is insufficient, then it will result in contacts becoming welded or
- When using some products, divide the capacity load onto each contact.

6. Using this Product

6-1.Selection Switch

The following functions are selectable.

6-1-1. Select Sound Groups (Selection Switch No.1-3) It is possible to select from eight kinds of sound groups (A-H) by operating selection switch No.1~3.

• Sound Group A-G (Bit Input) When the input mode is set for bit input, sounds are selected for the channel number (CH No.) of each group. (Refer to "7-1. Bit Input".)

Sound Group H (Binary Input)

When the input mode is set for binary input, the sound can be selected for signal lines CH1-CH6 as a binary input, up to 32 sounds. (Refer to the binary code table, "7-2. binary input")

6-1-2.Test Play (Selection switch No.4)

Play CH1 sound by turning the Selection switch to No. 4, while the power is supplied to the product.

Use this feature when checking the operation and adjusting the volume.

- Use a tool, such as tweezers, when operating the Selection Switch.
- Do not exert excessive force to the Selection Switch, there is a risk of damage the product.
- Do not connect the signal line with the common line when selecting the test play. While the signal line is connected to the common line in test play mode, it is not possible to play other sounds.

Sound Chart Type A (RT-□A)

Sound Groups

Group	Group A	Group B	Group C	Group D		
CH(Wire)	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4		
CH1(Skyblue)	Fur Elise	Mary Had A Little Lamb	Amaryllis	Grandfather's Clock		
CH2(Yellow)	Maiden's Prayer	The Camptown Races	Symphony No.40	Ave Maria		
CH3(Pink)	Minuet	Cuckoo	Silent Lakeside	Daydream Believer		
CH4(Light Green)	Annie Laurie	Blacksmith in the Village	Mountain Musician	London Bridge is Falling Down		
CH5(Purple)	London Bridge is Falling Down	On the Avignon Bridge	Romance de Amour	Bell		
CH6(Orange)	Hol-Di-Li-Dia	Daydream Believer	Petrouchka	Yelp		
CH7(Green)	Chime	Chime	Chime	Synthesized Piano		
CH8(Blue)	Call Sign	Call Sign	Call Sign	Synthesized Bell		
Group	Group E	Group F	Group G	Group H		
CH(Wire)	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4	№ 1 2 3 4		
CH1(Skyblue)	Romance de Amour	Mary Had A Little Lamb	Веер			
CH2(Yellow)	The Camptown Races	Symphony No.40	Stutter			
CH3(Pink)	Minuet	Hol-Di-Li-Dia	Bell	Binary Mode		
CH4(Light Green)	Ave Maria	Daydream Believer	Yelp	1		
CH5(Purple)	Stutter + Bell	Rapid Hi-Lo	Rapid Hi-Lo	Use CH1-CH6 to select		
CH6(Orange)	Synthsized Melody Chime	Melody Chime	Melody Chime	sounds 1-32		
CH7(Green)	Synthesized Piano	Synthesized Piano	Synthesized Piano			
CH8(Blue)	Synthesized Bell	Synthesized Bell	Synthesized Bell			

Sound List Sound No 17 London Bridge is Falling Down 25 Amaryllis 18 HoFDi-Li-Dia 26 Symphon 26 Symphony No.40 27 Silent Lakeside 9 Mary Had A Little Lamb Blacksmith in the Village Maiden's Prayer On the Avignon Bridge 24 Daydream Believer 16 Annie Laurie

(No.) Author: (13) LUDWIG van BEETHOVEN (14) TEKLA BADARZEWSKA-BARANOWSKA (15) JOHANN SEBASTIAN BACH (16) LADY JOHN DOUGLAS SCOTT (17/18/21/25/28/29) TRADITIONAL (19/27) PD (20) STEPHEN COLLINS FOSTER (22) Ministry of Education Authorized Songs (23) Jean-François Alexander WERNER HEINRICH (DE 2) (24) JOHN C STEWART (26) WOLFGANG AMADEUS MOZART (30) MATVEY ISAAKOVICH BLANTER (31) HENRY CLAY WORK (32) FRANZ SCHUBERT



Sound Chart Type C (RT-□C)

Group	Group A	Group B	Group C	Group D	
CH(Wire)	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4	
CH1(Skyblue)	Can't take my eyes off of you	Canon	I don't want to miss a thing	Ima sugu Kiss Me	
CH2(Yellow)	Top of the World	La-la Sunshine	Yozora no Mukou	Haru yo, Koi	
CH3(Pink)	The Entertainer	Space Battleship Yamato	Ai wa Katsu	Space Battleship Yamato	
CH4(Light Green)	Amazing Grace	Oshiete	Truth	La-la Sunshine	
CH5(Purple)	Amairo no Kami no Otome	Makenai de	Gats Daze !!	Can't take my eyes off of you	
CH6(Orange)	Les Champs-Elysees	Gonna Fly Now(Theme of "Rocky")	Odoru Ponpokorin	Gonna Fly Now(Theme of *Rocky")	
CH7(Green)	Chime	Chime	Chime	Chime	
CH8(Blue)	Call Sign	Call Sign	Call Sign	Call Sign	
Group	Group E	Group F	Group G	Group H	
CH(Wire)	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4	№ 1 2 3 4	
CH1(Skyblue)	Amairo no Kami no Otome	Beep	Odoru Ponpokorin		
CH2(Yellow)	Makenai de	Stutter	Ai wa Katsu		
CH3(Pink)	Gats Daze !!	Stutter + Bell	Truth	Binary Mode	
CH4(Light Green)	Top of the World	Synthesized Melody Chime	Aux Champs-Elysees		
CH5(Purple)	Canon	Synthesized Piano	Amazing Grace	Use CH1-CH6 to select	
CH6(Orange)	Haru yo, Koi	Synthesized Bell	Yozora no Mukou	sounds 1-32	
CH7(Green)	Chime	Chime	Chime		
CH8(Blue)	Call Sign	Call Sign	Call Sign		

Sound List -Sound No 09 Stutter + Bell Yozora no Mukou Space Battleship Yamato Ima sugu Kiss Me

(No.) Author: (13) BOB CREW (14) RICHARD LYNN CARPENTER (15) SCOTT JOPLIN (16) JAMES P. CARRELL (17) Kouichi Sugiyama (18) MICHAEL WILSHAW (19) JOHANN RACHELBEL (20) Jijichi Hiromasa (21) Hinoshi Migagawa (22) Takeo Watanabe (23, 30) Testuro Oda (24) BILL CONTI (25) DIANE EVE WARREN (26) Yuka Kawamura (27) KAN (28) Masahiro Andoh (29) Totatsu Matsumoto (31) Tatsuva Hirakawa (32) Yumi Matsutova

JATRAC ¥32 ∭ NexTone

32 I Haru vo. Koi

*13~14.17.18.20~31

Sound Chart Type D (RT-□D)

Sound Groups

	_
	roup D
CH(Wire) ON 1 2 3 4 ON 1 2 3 4 ON 1 2 3 4	1 2 3 4
CH1(Skyblue) Runner HAPPY BIRTHDAY She Wore a Yellow Ribbon Yellow F	Rose of Texas
CH2(Yellow) Mamotte Agetai Hi-Ho My Darling Clementine Yank	ee Doodle
CH3(Pink) Oribia o Kikinagara Ive been working on the railroad Yellow Rose of Texas When the Sa	ints go Marching in
CH4(Light Green) September The Bear Song Yankee Doodle London	onderry Aire
	Веер
	Stutter
	Chime
CH8(Blue) Iro, White Blend Rudolph the Red-nosed Reindeer Mamotte Agetai C	all Sign
Group Group E Group F Group G G	roup H
CH(Wire)	1 2 3 4
CH1(Skyblue) Runner Surf Tengoku, Ski Tengoku Doyoubi no Koibito	
orritorybide) Italinei Gair lengoka Doyodbi no Robbio	
CH2(Yellow) Iro, White Blend Konnako Irukana I've been working on the railroad	
CH2(Yellow) Iro, White Blend Konnako Irukana I've been working on the railroad CH3(Pink) Wiegenlied Oribia o Kikinagara She Wore a Yellow Ribbon Binary M	ode
CH2(Yellow) Iro, White Blend Konnako Irukana Ive been working on the railroad CH3(Pink) Wiegenlied Oribia o Kikinagara She Wore a Yellow Ribbon CH4(Light Gren) Hi-Ho Rudolph the Red-nosed Reindeer Yankee Doodle	
CH2(Yellow) Iro, White Blend Konnako Irukana Ive been working on the railroad CH3(Pink) Wiegenlied Onibia o Kikinagara She Wore a Yellow Ribbon CH4(Light Cean) Hi-Ho Rudolph the Red-nosed Reindeer Yankee Doodle CH5(Pirple) Bell Rapid Hi-Lo Synthesized Plano Use CH1	-CH6 to select
CH2(Yellow) Iro, White Blend Konnako Irukana Ive been working on the railroad CH3(Pink) Wiegenlied Oribia o Kikinagara She Wore a Yellow Ribbon CH4(Light Cenh Hi-Ho Rudolph the Red-nosed Reindeer Yankee Doodle CH5(Purgle) Bell Rapid Hi-Lo Synthesized Plano Use CH1 (CH6(Orange) Yelp Melody Chime Synthesized Bell sounds 1	-CH6 to select
CH2(Yellow) Iro, White Blend Konnako Irukana Ive been working on the railroad CH3(Pink) Wiegenlied Onibia o Kikinagara She Wore a Yellow Ribbon CH4(Light Cean) Hi-Ho Rudolph the Red-nosed Reindeer Yankee Doodle CH5(Pirple) Bell Rapid Hi-Lo Synthesized Plano Use CH1	-CH6 to select

S	ound List	_	Sound No.				
0	1 Beep	09	Chime	17	Surf Tengoku, Ski Tengoku	25	Wiegenlied
0	2 Stutter	10	Call Sign	18	Iro, White Blend	26	Rudolph the Red-nosed Reindeer
0	3 Bell	11	Runner	19	HAPPY BIRTHDAY	27	She Wore a Yellow Ribbon
0	4 Yelp	12	Mamotte Agetai	20	Hi-Ho	28	My Darling Clementine
0	5 Rapid Hi-Lo	13	Oribia o Kikinagara	21	I've been working on the railroad	29	Yellow Rose of Texas
0	6 Melody Chime	14	September	22	The Bear Song	30	Yankee Doodle
0	7 Synthesized Piano	15	Doyoubi no Koibito	23	Toys go Cha-cha-cha	31	When the Saints go Marching in
0	8 Synthesized Bell	16	Aki no Kehai	24	Konnako Irukana	32	Londonderry Aire

(No.) Author: (11) New Funky Sueyoshi (12/17) Yumi Matsutoya (13) Ami Ozaki (14) Tetsuji Hayashi (15) Tatsuro Yamashita (16) Kazumasa Oda (18) Maria Takeuchi (19) MILDRED HILL (20) FRANK E. CHURCHILL (21/22/27/29/30/31/32) TRADITIONAL (23) Nobuyoshi Koshibe (24) Takeshi Shibuya (25) FRANZ SCHUBERT (26) JOHN D MARKS (26) AMERICAN FOLK SONG



Sound Chart Type E (RT-□E)

Sound Groups

Group	Group A	Group B	Group C	Group D
CH(Wire)	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4	ON 1 2 3 4
CH1(Skyblue)	Fur Elise	Minuet	Fur Elise	Alien Chatter
CH2(Yellow)	Minuet	Annie Laurie	London Bridge is Falling Down	Falling Crystals
CH3(Pink)	Annie Laurie	Amaryllis	Mary Had A Little Lamb	Inverted Revelle
CH4(Light Green)		Symphony No.40	The Camptown Races	Galatic Motor
CH5(Purple)	Mary Had A Little Lamb	Grandfather's Clock	Amaryllis	Ringing Phone
CH6(Orange)	The Camptown Races	Ave Maria	Grandfather's Clock	Two Tone
CH7(Green)	Chime	Chime	Chime	Alarm Clock
CH8(Blue)	Call Sign	Call Sign	Call Sign	Ringing Hi-Lo
Group	Group E	Group F	Group G	Group H
CH(Wire)	ON 1 2 3 4	ON 1 2 3 4	№ 1 2 3 4	ON 1 2 3 4
CH1(Skyblue)		Rapid Hi-Lo	Веер	
CH2(Yellow)	Galloping Hi-Lo	Chime	Stutter	
CH3(Pink)	Inverted Revelle	Stutter	Bell	Binary Mode
CH4(Light Green)	Galactic Motor	Ringing Phone	Yelp	· ·
CH5(Purple)	Alarm Clock	Stutter + Bell	Rapid Hi-Lo	Use CH1-CH6 to select
CH6(Orange)	Ringing Hi-Lo	Synthesized Melody Chime	Melody Chime	sounds 1-32
CH7(Green)	Synthesized Piano	Synthesized Piano	Synthesized Piano	
CH8(Blue)	Synthesized Bell	Synthesized Bell	Synthesized Bell	

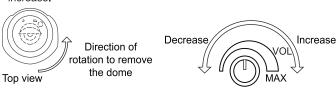
So	und List	/	Sound No.				
01	Веер	09	Stutter + Bell	17	Inverted Revelle	25	Annie Laurie
02	Stutter	10	Synthesized Melody Chime	18	Galatic Motor	26	London Bridge is Falling Down
03	Bell	11	Chime	19	Ringing Phone	27	Mary Had A Little Lamb
04	Yelp	12	Call Sign	20	Two Tone	28	The Camptown Races
05	Rapid Hi-Lo	13	Train Ride	21	Alarm Clock	29	Amaryllis
06	Melody Chime	14	Galloping Hi-Lo	22	Ringing Hi-Lo	30	Symphony No.40
07	Synthesized Piano	15	Alien Chatter	23	Fur Elise	31	Ave Maria
0.0	Synthocized Roll	16	Falling Crystale	24	Minuet	22	Grandfather's Clock

(No.) Author: (23) LUDWIG VAN BEETHOVENG (24) BACH JOHANN SEBASTIAN (25) SCOTT LADY JOHN DOUGLAS 6.29) TRADITIONAL (27) PD (28) FOSTER STEPHEN (30) MOZART WOLFGANG AMADEUS (31) SCHUBERT FRANZ

6-2. Volume Adjustment

The Volume can be adjusted with the Volume Control:

- 1) Remove the Dome by turning it counterclockwise.
- 2) By turning the volume inside in a clockwise direction, the volume will increase.



Notes

- Turn the volume control lightly, damage may occur if a torque of 0.3N-m is applied.
- When the volume is set to its maximum output, some sounds may seem
- Even when the volume is set to its minimum, it may not be zero and some sound may be audible.

7. Sound Playback

Connect the voltage to the product's power source line.

Short-circuit the signal lines (CH1- CH8) to the common line (Brown wire) to sound the melody or alarm.

Change the sound group setting with the selection switch to change the sounds selected by the signal wire.

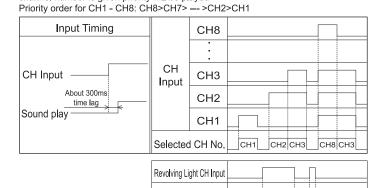
The revolving light will rotate when the Red signal line is short-circuited to the brown common line.

The sound and the revolving light will continue to operate while each signal line is short-circuited. It stops when the signal is removed.

7-1.Bit Input

When the signal lines (CH1 - CH8) are short-circuited to the common line, the sound, which is selected by the signal line and the sound group of the selection switch, is played.

• If two or more signal lines are connected simultaneously, the signal line with a higher channel number is given priority will be played.



7-2.Binary Input

When the signal lines (CH1-CH6) are short-circuited to the common line, the sounds 01-32 of the Sound List, which are selected according to the signal line binary input code, is played. (Refer to "Table 4. Binary Input Code")

Revolving Light Operation

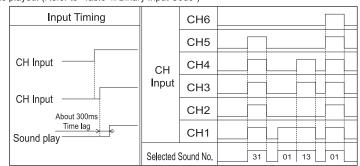


Table4. Binary Input Code

Souna Ivo.	CHI	CHZ	CH3	CH4	CHD	CHO	Souna No.	CHI	JUH2	CH3	CH4	CH5	CHb	Souna No.	CHI	CHZ	CH3	CH4	CH5	
01	1	0	0	0	0	0	12	0	0	1	1	0	0	23	1	1	1	0	1	0
02	0	1	0	0	0	0	13	1	0	1	1	0	0	24	0	0	0	1	1	0
03	1	1	0	0	0	0	14	0	1	1	1	0	0	25	1	0	0	1	1	0
04	0	0	1	0	0	0	15	1	1	1	1	0	0	26	0	1	0	1	1	0
05	1	0	1	0	0	0	16	0	0	0	0	1	0	27	1	1	0	1	1	0
06	0	1	1	0	0	0	17	1	0	0	0	1	0	28	0	0	1	1	1	0
07	1	1	1	0	0	0	18	0	1	0	0	1	0	29	1	0	1	1	1	0
80	0	0	0	1	0	0	19	1	1	0	0	1	0	30	0	1	1	1	1	0
09	1	0	0	1	0	0	20	0	0	1	0	1	0	31	1	1	1	1	1	0
10	0	1	0	1	0	0	21	1	0	1	0	1	0	32	0	0	0	0	0	1
11	1	1	0	1	0	0	22	0	1	1	0	1	0							

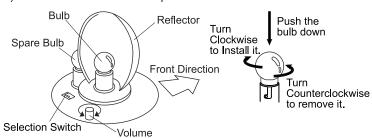
- * A "1" indicates a short-circuit from the signal line to the common line in this table.
- * A "0" indicates no short-circuit from the signal line to the common line in this table.
- * When signal lines CH7 or CH8 are short-circuited to the common line,
- "01.Beep (slow intermittent horn)" is played.

- It is normal when pop-noise may be generated when turning the power on or off, or at the beginning of a sound being played.
- When starting inputs simultaneously for multiple products, a time delay will still occur in the sound playback.

8. Changing the Bulb

Replace it with a spare bulb when the bulb is out.

- 1) Remove the power supply
- 2) Remove the dome. (Refer to 6-2. Volume Adjustment)
- 3) Push the bulb down and rotate it counterclockwise.
- 4) Remove it by pulling upwards.
- 5) After pushing the spare bulb down, rotate it clockwise.
- 6) Place the dome back onto the product.



- CAUTION

- Make sure the power is off before replacing the bulb to avoid short-circuiting, electric shock, or burns.
- Make sure the temperature of the bulb cools down before repair to avoid electric shock or burns.
- Make sure not to use any other bulbs except ones described in "10 Specifications." Failure to comply will result in product damage or fire.

9. Before Requesting Repair

Problem	Where to check	Inspection Repair		
No sound is played	Is there power supplied?	Check the wiring.		
	Is the COM and CH terminals short-circuiting properly?	Check the wiring.		
	Is the volume control set to minimum?	Adjusting the volume.		
Sound from a differ- ent channel is played.	Is the COM and CH terminals short-circuiting properly?	Check the wiring.		
	Is the Sound Group selected for the correct group?	Check the Sound Group Selector Switch.		
The revolving light is	Is there power supplied?	Check the wiring.		
not rotating and the light does not turn on.	Is the Signal Line being shorted to the Common Line correctly?	Check the wiring.		

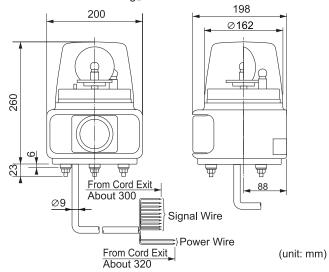
• If the product does not operate correctly, even after it is properly installed and handled, contact the place of purchase, or a PATLITE Sales Representative located on the last page.

10. Specifications

Model	RT-24A/C/D/E	RT-120A/C/D/E	RT-200A/C/D/E				
Rated Voltage	24V DC	120V AC(50/60Hz)	200V AC(50/60Hz)				
Operating Voltage Range	21 - 27V DC	108 - 132VAC	180 - 240V AC				
Power Consumption	24W	32W	30W				
Flashing Cycle	115±30 Flashes Per Minute	105±30 Flashes Per Minute	95±30 Flashes Per Minute				
Bulb	24V 20W	12V	15W				
Duib	G	Blass: G18, Base: BA15	S				
Sound Pressure	1	105dB (at1m) or more *1	<u> </u>				
Level	*The sound pressure level is dependent upon surrounding environme supply voltage and playback tone.						
Channel Input	Bit Input (Sound G	roup A-G) / Binary Inpu	t (Sound Group H)				
Start-up Delay	Operation by Inpu	t Signal or by Power Inp	out: 300ms or less				
Number of Channels	Bit Input: 8	channels Binary Input: 3	2 Channels				
Operating Temperature Range		-20°C to +50°C					
Operating Ambient Humidity	85% I	RH or less (No condens	ation)				
Mounting Direction	Indoo	or/Outdoor Use; Upright	Only				
Protection Rating		IP65					
Insulation Resistance	More than 1M□ at 50	OVDC between the term	inals and the chassis				
Withstand Voltage	500V AC for 1 min.	1000V AC for 1 min.	1500V AC for 1 min.				
	Between terminal	ls and chassis without b	reaking insulation				
Vibration Resistance	19.6m/s2 (30Hz back and	forth, 2hrs./ Right and Left,	2hrs./ Up and Down, 4hrs.)				
Mass (Tolerance ±10%) 2.0kg 2.5kg							
wass (Tolerance ± 10 /0)	Liong	210	a				

(*1) Test condition: Product was placed on a 300mm square plate and the sound measured was CH 5 "Rapid Hi-Lo" at a distance of 1m from the front center of the product.

[Outline Dimensional Drawing]



- Note that we will not be held responsible for the failure or damage caused by handling the product in ways not observing the warnings or cautions contained in this document
- Also note that the contents in this document may be changed for improvement without notification in advance.
- This product conforms to EN standard and shows the CE Marking.
- This product has been tested and found to comply with the limits for a Class A device, pursuant to EMC DIRECTIVE.
- These limits are designed to provide reasonable protection against harmful
- interference when the equipment is operated in a commercial environment • This product must not be used in residential areas.

PATLITE Corporation

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