


Drawing No.	Rev.	Page
RT-FC015-A18	D	1 / 3

<h1>SPECIFICATIONS</h1>	Drawn	Y. Nakanishi 04. Jun. '20
	Checked	Y. Nakanishi 04. Jun. '20
	Approved	T. Motoshita 04. Jun. '20

MODEL	RT-24□-□+ FC015	RT-120□-□ +FC015	RT-200□-□+ FC015
Rated Voltage	24V DC	120V AC (50/60Hz)	200V AC (50/60Hz)
Voltage Range	21~27V DC	108~132V AC	180~240V AC
Power Consumption	Max.24W	Max.32W	Max.30W

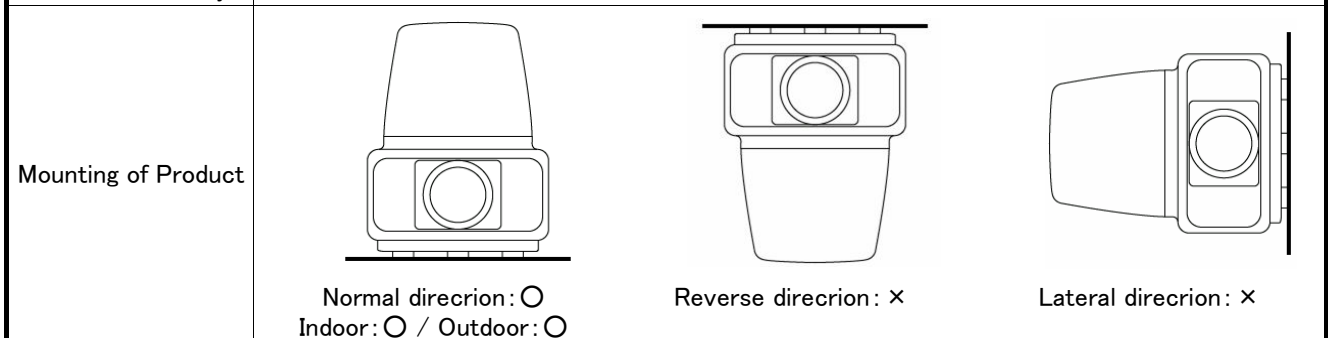
Maximum Sound Pressure Level 105dB or more  
 Condition for determination: Fit the product on the plate of □300mm, and measure the level with the sound 5."Rapid Hi-Lo" at the distance of 1m from the center the product, in the front direction.  
 ※The sound pressure level may be lower depending on the Sound, usage environment, and supplied voltage.

Volume	adjustable : Min~Max
Input Method	Level hold input (Sound is played while COM wire and CH wire are short-circuited)
CH Input	Bit input (When you select the sound group of G from A) / Binary input (When you select the sound group of H)
Number of channels	Bit input : 8 / Binary input : 32
Starting time	300msec or less (both Operation by CH signal and Operation by turning on the power)
Priority Order for the Channels	CH8(Blue) > CH7(Green) > CH6(Orange) > CH5(Purple) > CH4(Light Green) > CH3(Pink) > CH2(Yellow) > CH1(Sky Blue)

Test Play  CH1 is playing by turning on select switch 4

Flashing Cycle	115±30 Flashes per minute	105±30 Flashes per minute	95±30 Flashes per minute
Bulb	24V 20W (G18/BA15S)	12V 15W (G18/BA15S)	

Operating Temperature Range -20~+50°C  
 Relative Humidity 85%RH or lower (No Condensation)



Protection Rating IP65(KEMA examination passing goods)

Insulation Resistance	1MΩ and above ( At 500V DC ) (between current-carrying metal parts and non-current-carrying metal part.)		
Dielectric Strength	500V AC for 1 min.	1000V AC for 1 min.	1500V AC for 1 min.
	( between current-carrying metal parts and non-current-carrying metal part )		

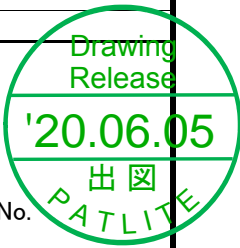
Resistance to Vibration 19.6m/s<sup>2</sup>  
 30Hz, Back and forth 2h·Right and Left 2h·Up and down 4h

Mass	2.0kg±10%	2.5kg±10%
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Model No. Configuration









RT - 24 A - R + FC015

■ Rated Voltage   ■ Sound Type   ■ Dome   ■ Tokupo No.  
 24 : 24V DC     A : Atype     R : Red  
 120 : 120V AC   C : Ctype     Y : Yellow  
 200 : 200V AC   D : Dtype     G : Green  
                          E : Etype     B : Blue



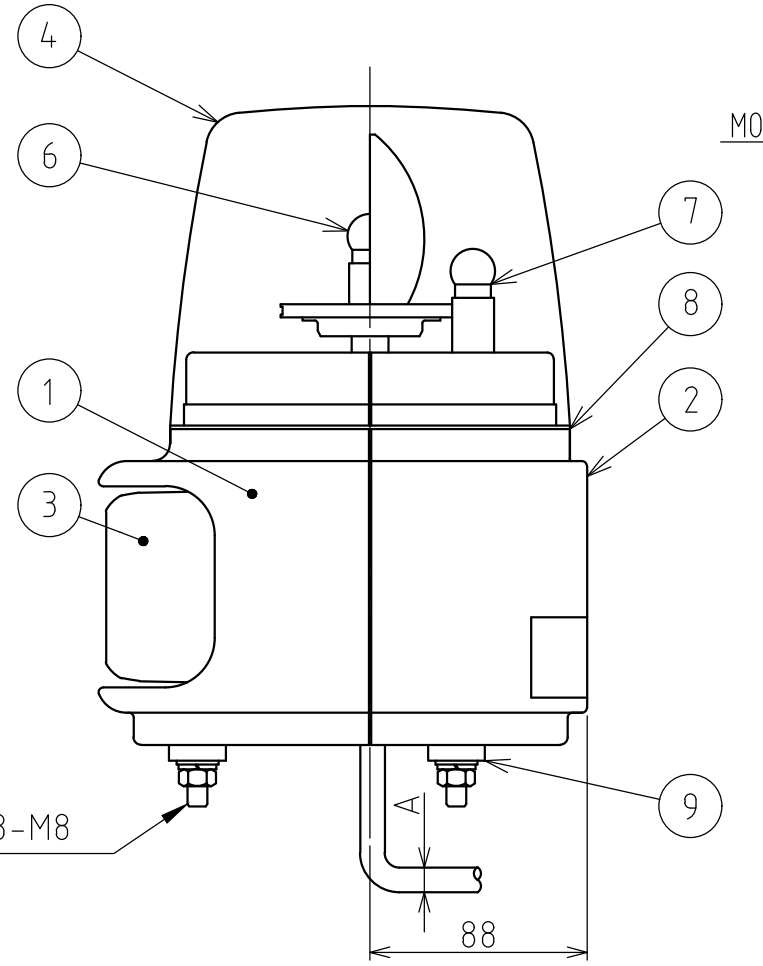
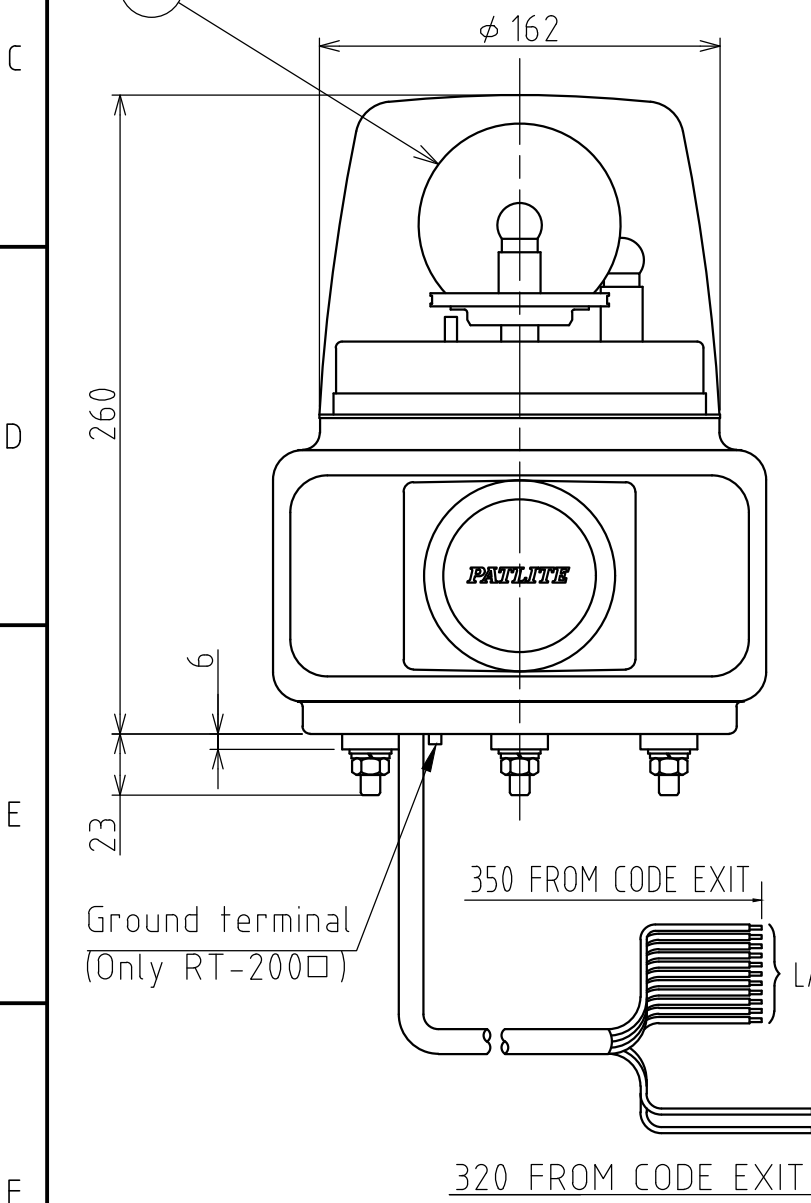
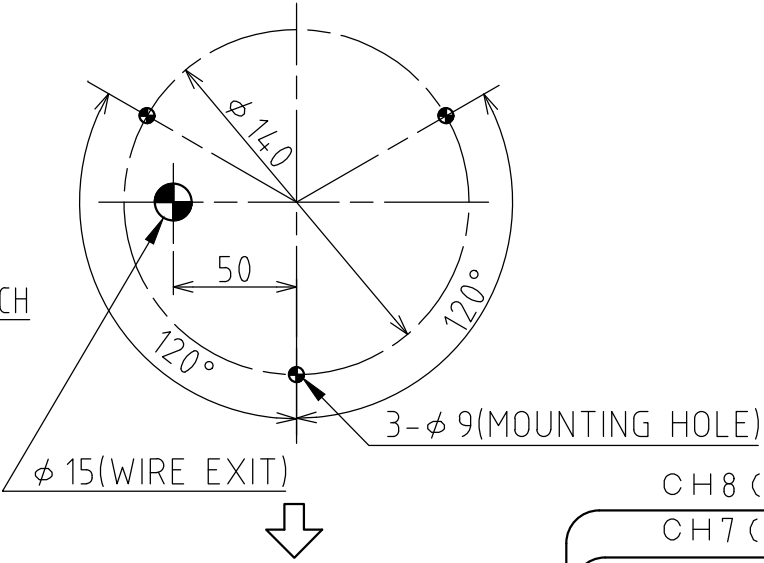
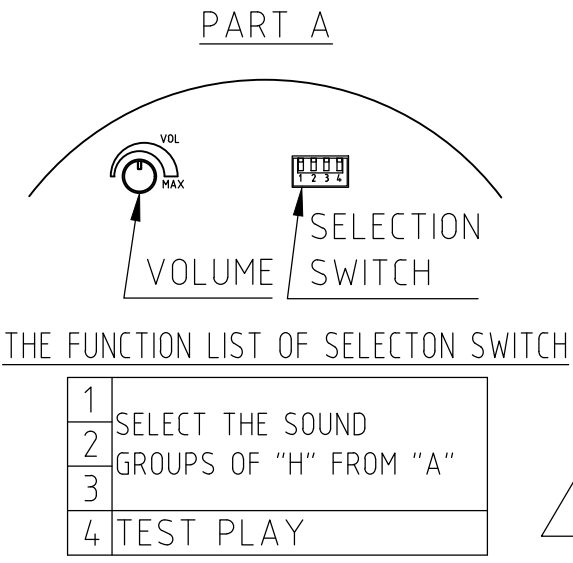
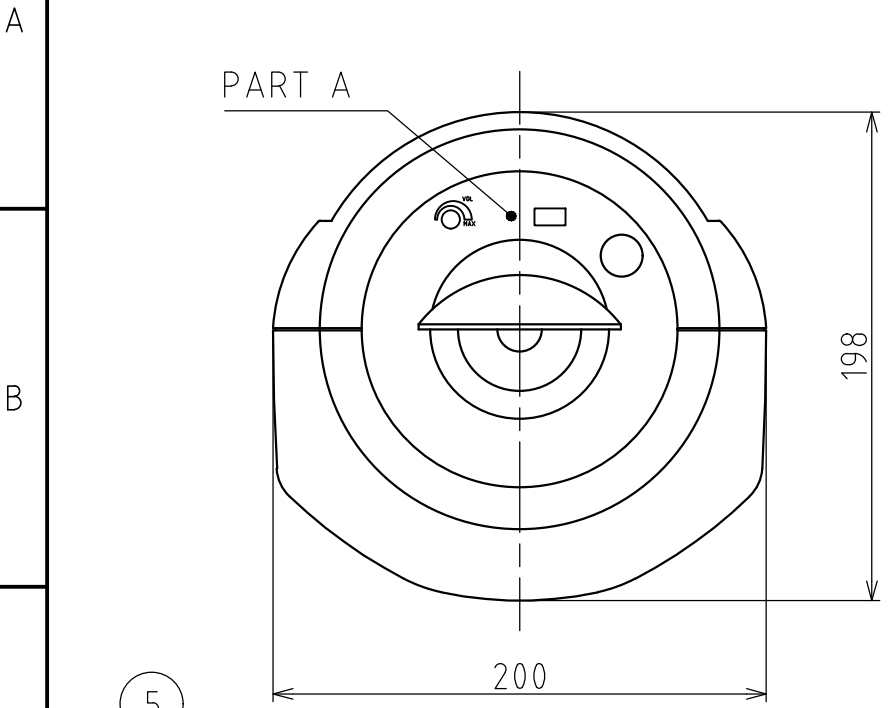
Remarks  
 •PATLITE Corporation has not applied for permission to use certain copyrighted music or songs recorded in our audible of A,C and D types out side of Japan therefore, please contact the local copyright association for permission before using the product in case this product is used outside of JAPAN. Audible products of E type is recommended for use outside of Japan as this model does not include copyrighted music of songs, and this permission is not required.

Sound List												
Atype	01	Beep (slow intermittent horn)	07	Synthesized Piano	13	Fur Elise	19	Mary had a little Lamb	25	Amaryllis	31	Grandfather's Clock
	02	Stutter (rapid intermittent horn)	08	Synthesized Bell	14	Maiden's Prayer	20	The camptown Races	26	Symphony No.40	32	Ave Maria
	03	Bell (clear highpitched bell)	09	Stutter + Bell	15	Minuet	21	Cuckoo	27	Silent Lakeside		
	04	Yelp (rapid siren)	10	Synthesized Melody Chime	16	Annie Laurie	22	Blacksmith in the village	28	Mountain musician		
	05	Rapid Hi-Lo	11	Chime	17	London bridge is falling down	23	On the Avignon bridge	29	Romance De Amour		
	06	Melody Chime	12	Call sign	18	Holdiridia	24	Daydream Believer	30	Petrouchka		
Ctype	01	Beep (slow intermittent horn)	07	Synthesized Piano	13	Can't Take My Eyes off of You	19	Canon	25	I Don't Want to Miss a Thing	31	Imasugu Kisu Mi
	02	Stutter (rapid intermittent horn)	08	Synthesized Bell	14	Top of the World	20	Rara Sanshain	26	Yozorano Mukou	32	Haruyo Koi
	03	Bell (clear highpitched bell)	09	Stutter + Bell	15	The Entertainer	21	Uchuusenkan Yamato	27	Aiwa Katsu		
	04	Yelp (rapid siren)	10	Synthesized Melody Chime	16	Amazing Grace	22	Oshiete	28	Truth		
	05	Rapid Hi-Lo	11	Chime	17	Amairono Kamino Otome	23	Makenaide	29	Gattsudaze		
	06	Melody Chime	12	Call sign	18	Les Champs-Elysees	24	Gonna Fly Now(Theme for "Rocky")	30	Odoru Ponpokorin		
Dtype	01	Beep (slow intermittent horn)	07	Synthesized Piano	13	Oribiao Kikinagara	19	Happy Birthday	25	Wiegenlied	31	When the Saints Go Marching In
	02	Stutter (rapid intermittent horn)	08	Synthesized Bell	14	A September	20	Hi Ho	26	Rudolph the Red-nosed Reindeer	32	Londonderry Air
	03	Bell (clear highpitched bell)	09	Chime	15	Doyoubino Koibito	21	I've been working on the Railroad	27	She Wore a Yellow Ribbon		
	04	Yelp (rapid siren)	10	Call sign	16	Akino Kehai	22	Bear Song	28	Oh My Darling Clementine		
	05	Rapid Hi-Lo	11	Runner	17	Saafu Tengoku Sukii Tengoku	23	Toys Go Cha Cha Cha	29	Yellow Rose of Texas		
	06	Melody Chime	12	Mamotte Agetai	18	Iro Howaitoburendo	24	Konnako Irukana	30	Yankee Doodle		
Etype	01	Beep (slow intermittent horn)	07	Synthesized Piano	13	Train Ride	19	Ringing Phone	25	Annie Laurie	31	Ave Maria
	02	Stutter (rapid intermittent horn)	08	Synthesized Bell	14	Galloping Hi-Lo	20	Two Tone	26	London bridge is falling down	32	Grandfather's Clock
	03	Bell (clear highpitched bell)	09	Stutter + Bell	15	Alien Chatter	21	Alarm Clock	27	Mary had a little Lamb		
	04	Yelp (rapid siren)	10	Synthesized Melody Chime	16	Falling Crystals	22	Ringing Hi-Lo	28	The camptown Races		
	05	Rapid Hi-Lo	11	Chime	17	Inverted Revellie	23	Fur Elise	29	Amaryllis		
	06	Melody Chime	12	Call sign	18	Galactic Motor	24	Minuet	30	Symphony No.40		

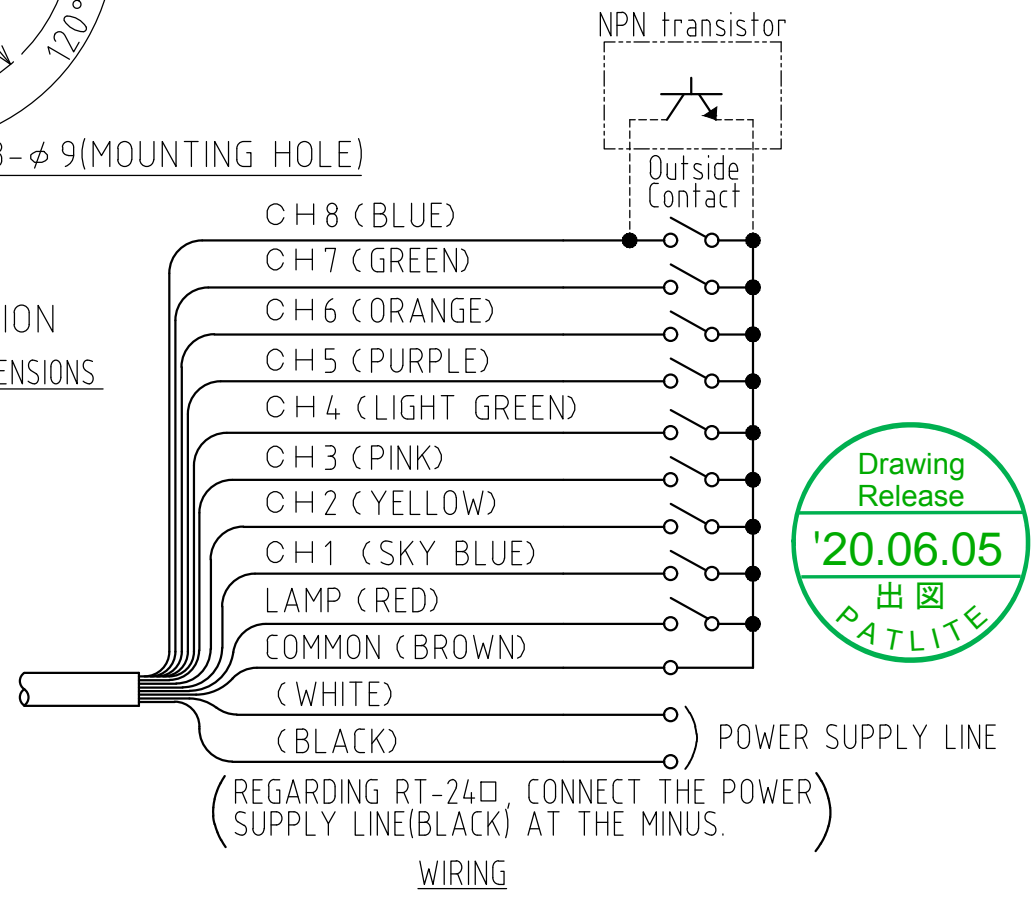
Sound groups ✕Factory default setting (groupA)											
Sound Groups	Group A	Group B	Group C	Group D	Group E	Group F	Group G	Group H			
											
Sound type • CH											
Atype	CH1	Fur Elise	Mary had a little Lamb	Amaryllis	Grandfather's Clock	Romance De Amour	Mary had a little Lamb	Beep (slow intermittent horn)	Binary mode Sound 1-32 can be selected by using CH1-CH6		
	CH2	Maiden's Prayer	The camptown Races	Symphony No.40	Ave Maria	The camptown Races	Symphony No.40	Stutter (rapid intermittent horn)			
	CH3	Minuet	Cuckoo	Silent Lakeside	Daydream Believer	Minuet	Holdiridia	Bell (clear highpitched bell)			
	CH4	Annie Laurie	Blacksmith in the village	Mountain musician	London bridge is falling down	Ave Maria	Daydream Believer	Yelp (rapid siren)			
	CH5	London bridge is falling down	On the Avignon bridge	Romance De Amour	Bell (clear highpitched bell)	Stutter + Bell	Rapid Hi-Lo	Rapid Hi-Lo			
	CH6	Holdiridia	Daydream Believer	Petrouchka	Yelp (rapid siren)	Synthesized Melody Chime	Melody Chime	Melody Chime			
	CH7	Chime	Chime	Chime	Synthesized Piano	Synthesized Piano	Synthesized Piano	Synthesized Piano			
	CH8	Call sign	Call sign	Call sign	Synthesized Bell	Synthesized Bell	Synthesized Bell	Synthesized Bell			
Ctype	CH1	Can't Take My Eyes off of You	Canon	I Don't Want to Miss a Thing	Imasugu Kisu Mi	Amairono Kamino Otome	Beep (slow intermittent horn)	Odoru Ponpokorin	Binary mode Sound 1-32 can be selected by using CH1-CH6		
	CH2	Top of the World	Rara Sanshain	Yozorano Mukou	Haruyo Koi	Makenaide	Stutter (rapid intermittent horn)	Aiwa Katsu			
	CH3	The Entertainer	Uchuusenkan Yamato	Aiwa Katsu	Uchuusenkan Yamato	Gattsudaze	Stutter + Bell	Truth			
	CH4	Amazing Grace	Oshiete	Truth	Rara Sanshain	Top of the World	Synthesized Melody Chime	Les Champs-Elysees			
	CH5	Amairono Kamino Otome	Makenaide	Gattsudaze	Can't Take My Eyes off of You	Canon	Synthesized Piano	Amazing Grace			
	CH6	Les Champs-Elysees	Gonna Fly Now(Theme for "Rocky")	Odoru Ponpokorin	Gonna Fly Now(Theme for "Rocky")	Haruyo Koi	Synthesized Bell	Yozorano Mukou			
	CH7	Chime	Chime	Chime	Chime	Chime	Chime	Chime			
	CH8	Call sign	Call sign	Call sign	Call sign	Call sign	Call sign	Call sign			
Dtype	CH1	Runner	HAPPY BIRTHDAY	She Wore a Yellow Ribbon	Yellow Rose of Texas	Runner	Saafu Tengoku Sukii Tengoku	Doyoubino Koibito	Binary mode Sound 1-32 can be selected by using CH1-CH6		
	CH2	Mamotte Agetai	Hi Ho	Oh My Darling Clementine	Yankee Doodle	Iro Howaitoburendo	Konnako Irukana	I've been working on the Railroad			
	CH3	Oribiao Kikinagara	I've been working on the Railroad	Yellow Rose of Texas	When the Saints Go Marching In	Wiegenlied	Oribiao Kikinagara	She Wore a Yellow Ribbon			
	CH4	A September	Bear Song	Yankee Doodle	Londonderry Air	Hi Ho	Rudolph the Red-nosed Reindeer	Yankee Doodle			
	CH5	Doyoubino Koibito	Toys Go Cha Cha Cha	When the Saints Go Marching In	Beep (slow intermittent horn)	Bell (clear highpitched bell)	Rapid Hi-Lo	Synthesized Piano			
	CH6	Akino Kehai	Konnako Irukana	Londonderry Air	Stutter (rapid intermittent horn)	Yelp (rapid siren)	Melody Chime	Synthesized Bell			
	CH7	Saafu Tengoku Sukii Tengoku	Wiegenlied	Runner	Chime	Chime	Chime	Chime			
	CH8	Iro Howaitoburendo	Rudolph the Red-nosed Reindeer	Mamotte Agetai	Call sign	Call sign	Call sign	Call sign			
Etype	CH1	Fur Elise	Minuet	Fur Elise	Alien Chatter	Train Ride	Rapid Hi-Lo	Beep (slow intermittent horn)	Binary mode Sound 1-32 can be selected by using CH1-CH6		
	CH2	Minuet	Annie Laurie	London bridge is falling down	Falling Crystals	Galloping Hi-Lo	Chime	Stutter (rapid intermittent horn)			
	CH3	Annie Laurie	Amaryllis	Mary had a little Lamb	Inverted Revellie	Inverted Revellie	Stutter (rapid intermittent horn)	Bell (clear highpitched bell)			
	CH4	London bridge is falling down	Symphony No.40	The camptown Races	Galactic Motor	Galactic Motor	Ringing Phone	Yelp (rapid siren)			
	CH5	Mary had a little Lamb	Grandfather's Clock	Amaryllis	Ringing Phone	Alarm Clock	Stutter + Bell	Rapid Hi-Lo			
	CH6	The camptown Races	Ave Maria	Grandfather's Clock	Two Tone	Ringing Hi-Lo	Synthesized Melody Chime	Melody Chime			
	CH7	Chime	Chime	Chime	Alarm Clock	Synthesized Piano	Synthesized Piano	Synthesized Piano			
	CH8	Call sign	Call sign	Call sign	Ringing Hi-Lo	Synthesized Bell	Synthesized Bell	Synthesized Bell			

指定公差 General tolerance	角度公差 ±[°] Angular tolerance ±[°]			寸法公差 ±[mm] Dimensional tolerance ±[mm]							
	短辺長さ Length of short side	~	~100	6	30	120	300	1000			
	精 f	1	0.5	0.3	0.1	中 m	0.1	0.3	0.5	0.7	1
	粗 v	3	1.5	1	0.5	粗 c	0.3	0.5	1	1.2	2

図番 Drawing No.	RT-FC015-A18	
改訂 Rev.	年月日 Date	改訂履歴 Revisions



Size of part A	
RT-24□	φ 9
RT-100□, 200□	φ 11
□ : A, C, D, E	



9	CUSHION RUBBERS	3	EPDM Black
8	GASKET	1	EPDM Black
7	SPARE BULB	1	Ref. Specifications
6	BULB	1	Ref. Specifications
5	REFLECTOR	1	PC
4	DOME	1	AS
3	HORN	1	ABS Light Gray
2	BODY B	1	ABS Light Gray
1	BODY A	1	ABS Light Gray
番号 No.	部品名 Part Name	数量 Qty.	記事 Remarks

機種 Model	RT-□□□A/C/D/E+	特注 No. S.P.No.	FC015	図名 Name	Outer Dimensions Drawing
品目コード Part No.	-	尺度 Scale	三角法 3rd Angle P.	単位 Unit	mm
			株式会社 パトライト PATLITE Corporation		