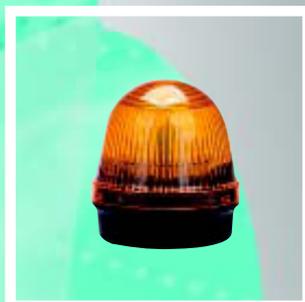




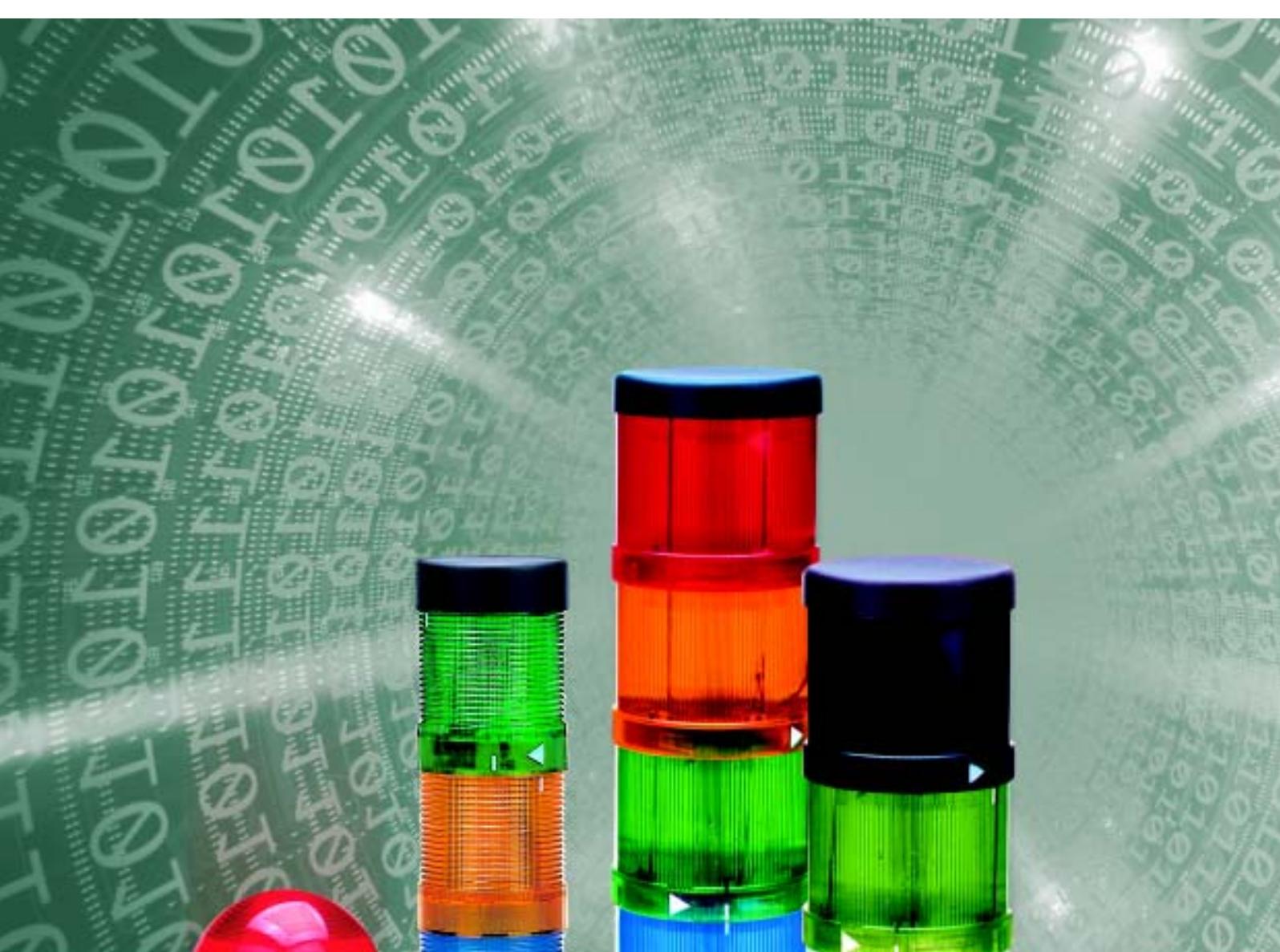
2014-2015

SIGNAL TOWER

JD36,JD50,JD70,
JD90,JD150



TAYEE



2 Foreword		66-67 Unitized Alarm System
4 Signal Lamp Introduction		68-77 ø 90 Signal Tower
5-13 ø90 Signal Lamp		78-83 ø90 Signal Lamp
14-27 ø 70 Signal Lamp	New Production	84-90 ø150 Signal Lamp
28-37 ø 50 Signal Lamp	New Production	91-95 ø 36 Signal Lamp
38 Signal Tower Introduction	New Production	96-99 ø50 Signal Lamp
39-53 ø 70 Signal Tower	New Production	100-105 JD150P multitone alarm
54-63 ø 50 Signal Tower	New Production	106-108 JD110P multitone alarm
64-65 Mounting Diameter 22mm Signal Lamp	New Production	109-116 JD90F multitone alarm

Sharing innovative products with you

Keeping improving Developing together

Shanghai TAYEE Electric Co, Ltd. has a famous name in the field of low-voltage electric appliances for its innovation and high quality.

Machine manufacture factories, process automation equipment manufacture factories, and the consumers always demand high-powered production. In order to meet their needs better, TAYEE has put out one more series of innovative and advanced output- the JD-series signal towers.

The JD-series signal towers are the new products of TAYEE which has been studied meticulously for a couple of years. Just like other products of TAYEE, every tache of the production process of the JD, including design, manufacture, is carried through seriously under the testing and examining of the quality system of the company so that the high quality of the products could be ensured.

Modularized design, high degree of protection, high brightness, antivibration, and variety of installation, are all the remarkable characteristics of this series of products, which can increase the value of your equipment in use.

JD series signal tower has got many technological patents.

Patent number ZL03229047.0,ZL03229048.9,ZL03229049.7,ZL03229050.0,ZL03327976.4
3C certificate number:2004010304125834

SIGNAL LAMP



APPEARANCE

The Europe traditional design style is steady and in good taste, showing originality, endowing your equipment with innervation and vitality, upgrading the appearance and function, making your products coruscate

MATERIAL

The JD-series signal lamps are covered with high-quality materials which has vivid color and good transmissivity and no fading after long time use.

DEGREE OF PROTECTION - IP65

In order to make the products widely used in every walk of life, TAYEE follows its consistent high standard during the process of design and manufacture, which makes every product's degree of protection meet IP65 and satisfy your needs.

INDIVIDUATION OPTION

More and more innovation is required in this competitive age. The JD-series signal lamps supply different kinds of appearance for you, such as JD50A, JD50CA, JD70CA, JD70A, JD90B, JD150A, JD150B which can give you individuation production.

VARIETY

The JD-series signal lamps can be divided into 50mm-JD50, 70mm-JD70, 90mm-JD90, 150mm-JD150 according to diameter and be divided into single light style and optical-audible style according to function.

Ø90 SIGNAL LAMP



PERFORMANCE CHARACTERISTIC

There are 2 choices offered for users - Single light style JD90A and optical-audible style JD90B.

Optical source type

JD90A has offered many kinds of optical source for customers - LED, superbright LED, filament lamp, xenon lamp. Compared with common LED, the superbright LED has a 3-time luminance and its service time was prolonged greatly. It can work for 100,000 hours normally and there is no need for current maintenance. It also has more colors to choose, such as white, pure green and pure blue.

LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



SUPERBRIGHT LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



FILAMENT LAMP

2 types of luminescence modes
permanent
blink



XENON LAMP

only 1 luminescence mode
blink (flash)
flash frequency
0.5Hz-2Hz



TAYE

PERFORMANCE CHARACTERISTIC

AUDIBLE SOURCE TYPE

JD90B-series optical-audible style signal lamps, based on JD90A single-light style, combine audible system and optical system. Owing the JD90A's functions, this series can also combine 4 types of audible source types to meet needs under different circumstances. JD90B audible system is divided into 3 types by decibel:80,100,120.



BUZZER

- 3 sounding modes
- Continuous
- Intermittent
- Adjustable
- (between continuous and intermittent)

HORN

- Only 1 sounding mode
- Continuous
- 120dB

MUSIC

- 4 music modes
- Electronic-mix
- Waltz
- For Alice
- The sweet homes
- *Individualization music can be ordered

LANGUAGE

- 4 language modes
- Keep Clear - High Voltage
- Breakdown
- Upper Limit
- Be careful - crash
- * Individualized language can be ordered

INSTALLATION FORM

There are 4 accessories you can choose ,you can install them on the side or vertically, to the height as you wish.



TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	3W	3W
LED maximum current	0.1A/2.4W	0.05A/0.8W
Buzzer maximum current	0.015A/0.36W	0.015A/0.45W
Xenon lamp maximum current	0.2A/4.8W	0.03A/6.6W
Horn maximum current	0.25A/6W	0.25A/3.2W

Working Environment

Environmental Temperature	-25°C ~ +55°C
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Inatallation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%



TAYE

ORDER TYPE

single-light signal lamp

JD	90A	—	Optical source	+ Luminescence modes	+ Color	+	Voltage
	↓		↓	↓	↓		↓
Diameter	90mm		LED	Permanent	Red		DC
single-light			Super Bright LED	Blink	Green		24V
			Filament Lamp	Rotating flash	Yellow		AC
			Xenon lamp	Adjustable	White		220V
					Blue		

Optical-audible style signal lamp

JD	90B	—	Optical source	+ Luminescence modes	+ Sonic source	+ Sounding Modes	+ Decibel	+ Color	+ Voltage
	↓		↓	↓	↓	↓	↓	↓	↓
Diameter	90mm		LED	Permanent	Buzzer	Continuous	80dB	Red	DC
optical-			Super Bright LED	Blink	Horn	Intermittent	100dB	Green	24V
audible style			Filament Lamp	Rotating flash	Music	Adjustable	120dB	Yellow	AC
			Xenon lamp	Adjustable	Language			White	220V
								Blue	



Production type

JD90A- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Sound	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

TAWE

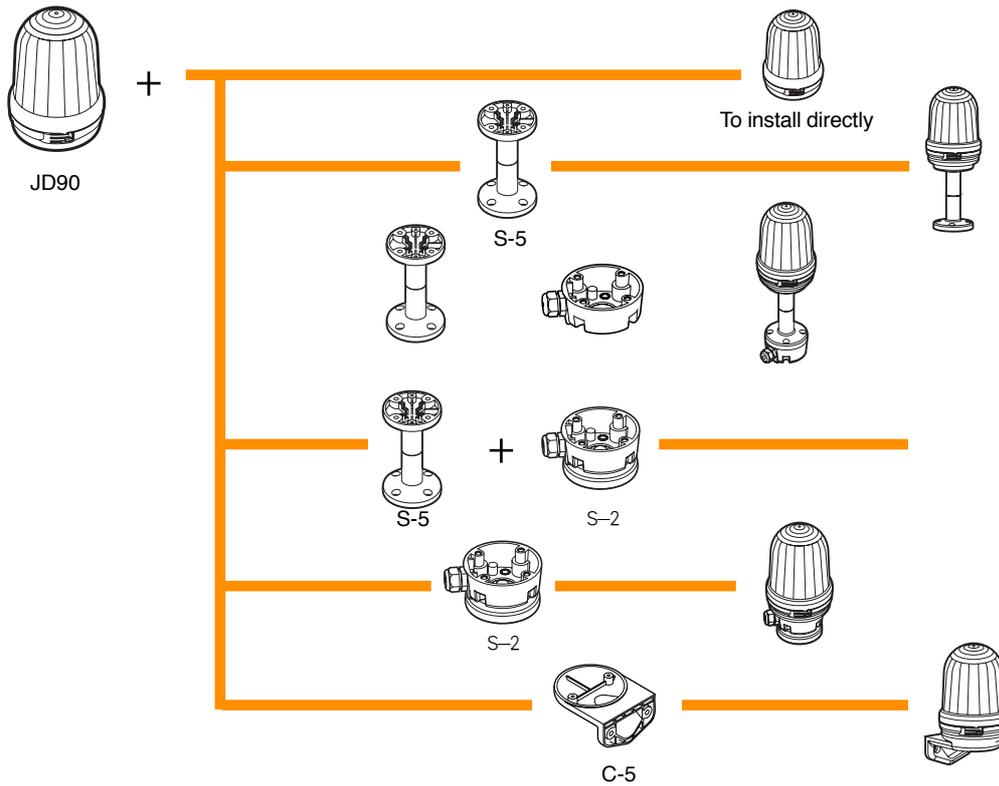
Production type

JD90B- order type1+ order type2+ order type3+ order type4+ order type5+ order type6+ order type7

	Optical source	Luminescence modes	Sonic source	Sounding Modes	Decibel	Color	Voltage
	Sound order type1	modes order type2	Sonic source order type3	modes order type4	Decibel order type5	Color order type6	Voltage order type7
	LED L	Permanent 01 Blink 02	Buzzer F	Continuous 01 Intermittent 02 Adjustable 03	80dB 08 100dB 10	Red R Green G Yellow Y White W Blue S	DC 24V 024 AC 220V 122
	Super Bright LED H	Rotating flash 03 Adjustable 04	Language	Keep Clear - High Voltage 01 Breakdown 02 Upper Limit 03 Be careful - crash 04	100dB 10		
	Xenon lamp S	Blink 02	Horn P	Continuous 01	120dB 12		
	Filament Lamp X	Permanent 01 Blink 02	Music	Audio mixing 01 Waltzes 04 For Elise 05 The sweet homes 06	100dB 10		

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage, language and music can be ordered.
Any optical source can combine with any sonic source.

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES



INSTALLATION MODE AND INSTALLATION ACCESSORY

To Install the Base Vertically (in-line) S-5

To Install the Base Vertically (out-line) S-2



S-5 Can be used with C-1 or S-2

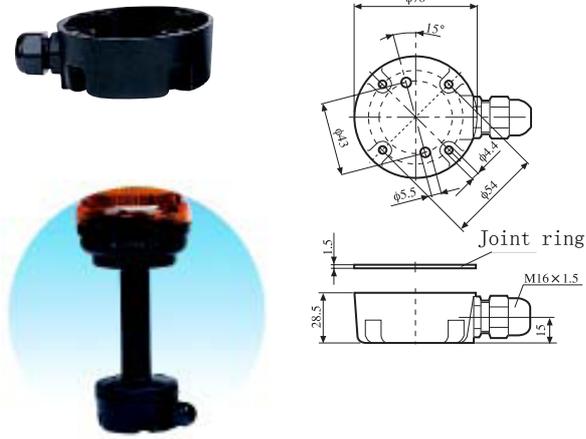


TAYE

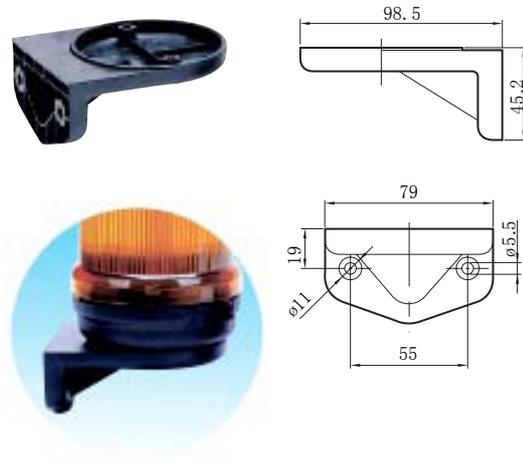
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base (out-line) C-1

★ It should be used with S-5 when installing vertically

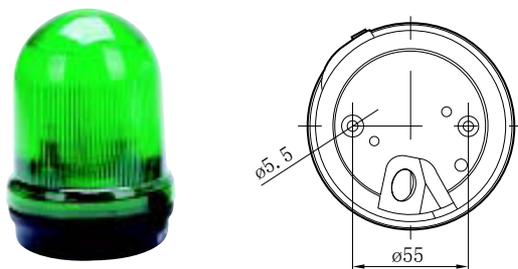


To Sidemount Base (in-line) C-5



DEMONSTRATION OF PRODUCT

To Install Directly (in-line)



Optical-Audible Style Signal Lamp



→ Blue LED Blink
80dB Intermittent buzzer AC220V
JD90B-L02F0208S122

Note:Accessory should be ordered separately.

DEMONSTRATION OF PRODUCT

Single-Light Style



→ Yellow LED Blink DC24V
JD90A-L02Y024

→ To Sidemount the Base
C-5

Optical-Audible Style

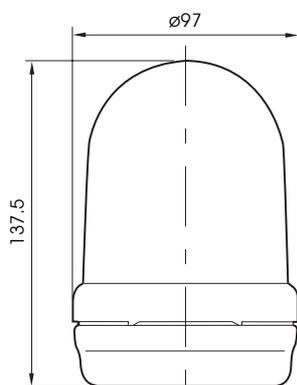


→ Red LED Blink
80dB Intermittent Buzzer DC24V
JD90B-L02F0208R024

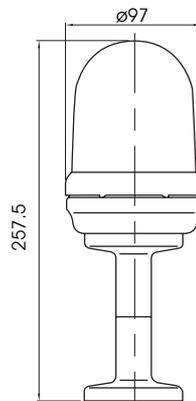
→ To Install the Base Directly
S-5

DIMENSIONAL DRAWING

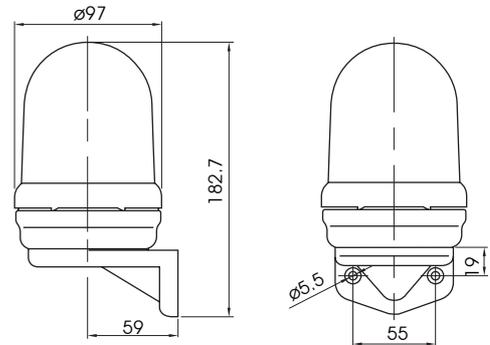
Dimensions for direct installation



Dimensions for vertical installation (matching S-5)



Dimensions for sidemount (matching C-5)



Ø70 SIGNAL LAMP



PERFORMANCE CHARACTERISTIC

There are 4 types of optical source and 2 styles offered for users.

Optical source type

LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



SUPERBRIGHT LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



FILAMENT LAMP

2 types of luminescence modes
permanent
blink



XENON LAMP

only 1 luminescence mode
blink(flash)
flash frequency
0.5Hz-2Hz



TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	3W	3W
LED maximum current	0.1A/2.4W	0.05A/0.8W
Xenon Lamp maximum current	0.2A/4.8W	0.03A/6.6W

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Installation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%



ORDER TYPE

single-light signal lamp

JD 70A	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
↓		↓	↓	↓	↓
Diameter		LED	Permanent	Red	DC
70mm		Super Bright LED	Blink	Green	24V
single-light		Filament Lamp	Rotating flash	Yellow	AC
		Xenon lamp	Adjustable	White	220V
				Blue	



single-light signal lamp

JD 70CA	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
↓		↓	↓	↓	↓
Diameter		LED	Permanent	Red	DC
70mm		Super Bright LED	Blink	Green	24V
		Filament Lamp	Rotating flash	Yellow	AC
		Xenon lamp	Adjustable	White	220V
				Blue	



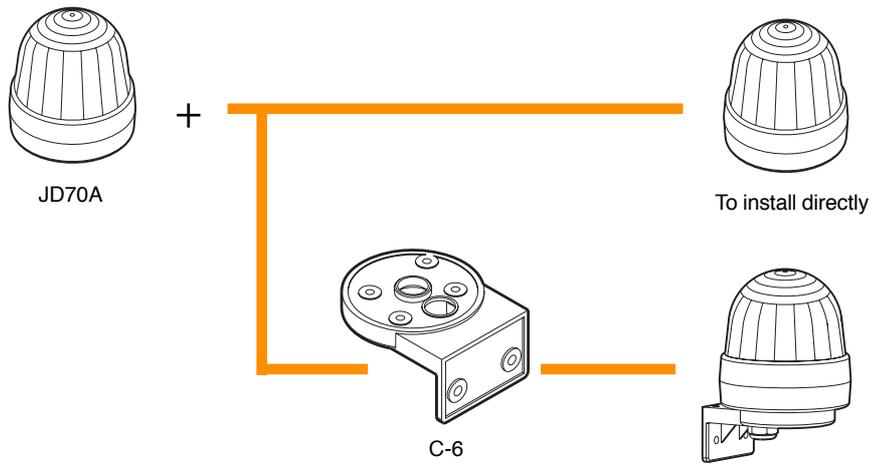
Production type

JD70A- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

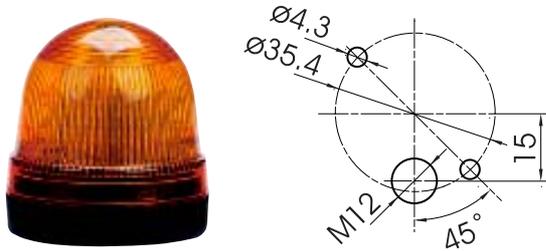
Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

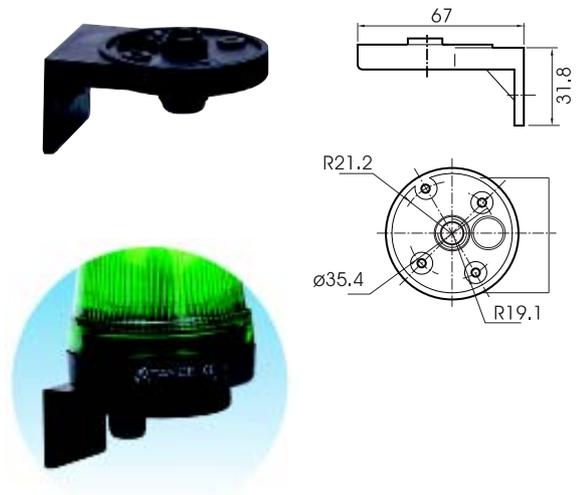


INSTALLATION MODE AND INSTALLATION ACCESSORY

To install directly (in-line)



To Sidemount Base (out-line) C-6



Note: Accessory should be ordered separately.

DEMONSTRATION OF PRODUCT

LED Signal Lamp



→ Blue LED Blink DC24V
JD70A-L02S024

→ To Install Directly

Xenon Signal Lamp

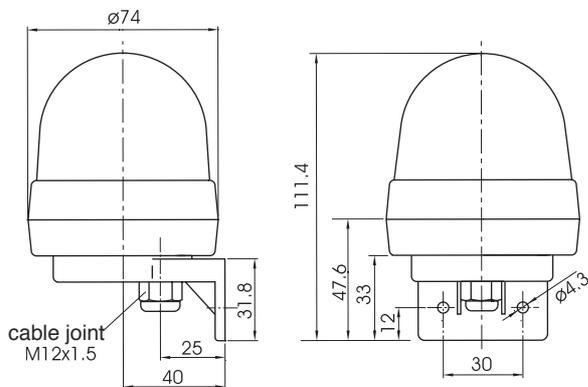


→ Red Xenon Lamp Blink DC24V
JD70A-S02R024

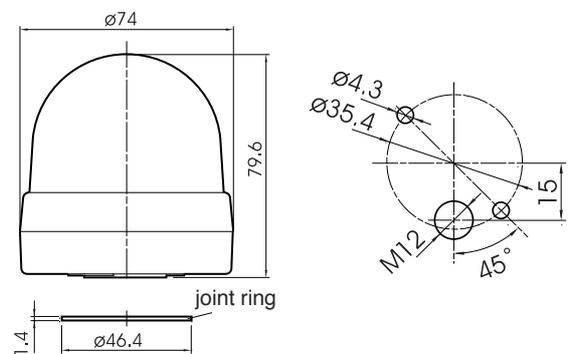
→ Sidemounted Base
C-6

DIMENSIONAL DRAWING

JD70CA Signal Lamp (matching C-6)

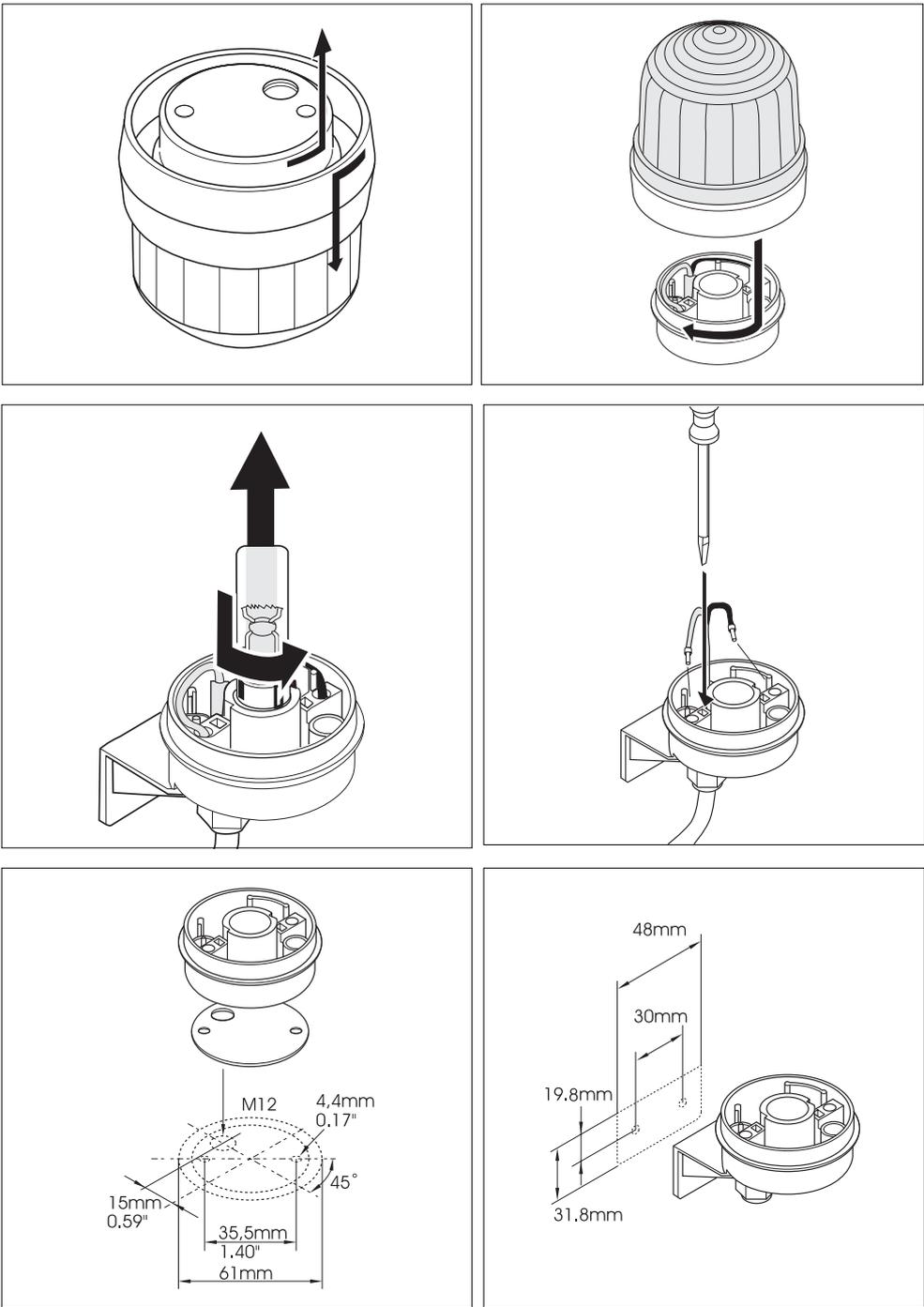


JD70CA Signal Lamp



TAYE

INSTALLATION MODE



Production type

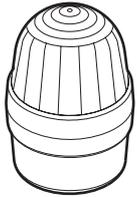
JD70CA- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Sound	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

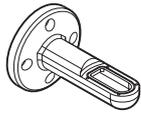
TAYE

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES



JD70CA

+

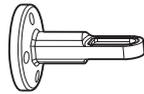


C-3

+

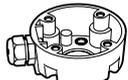


C-1



C-4

+



C-1

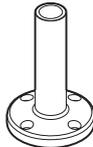


S-1

+



C-1

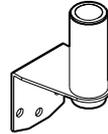


S-7

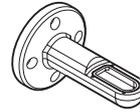
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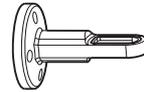
C-1



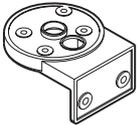
C-2



C-3



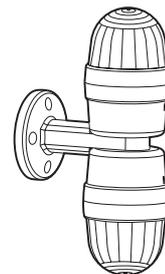
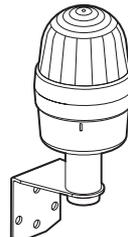
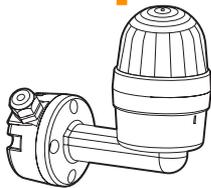
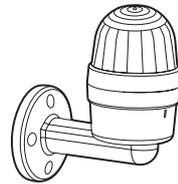
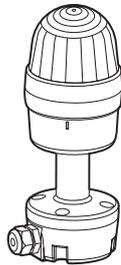
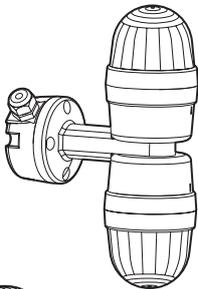
C-4

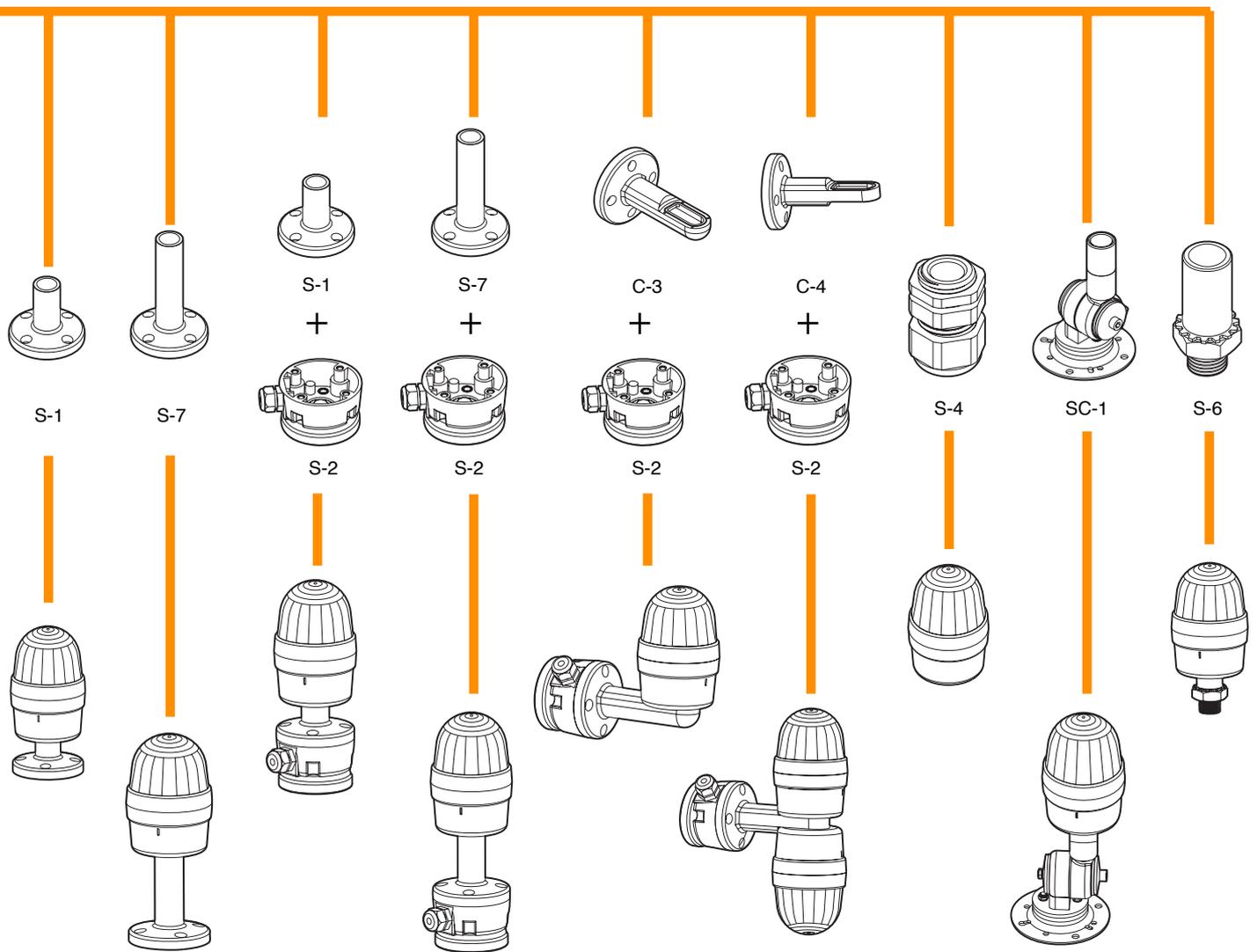


C-6



To Install Directly





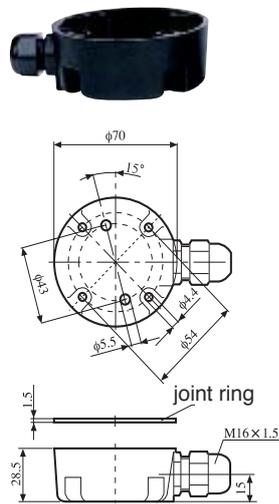
Note: the bottom of S-2 use permanent magnet material (magnet)

Note: SC-1 is collapsible

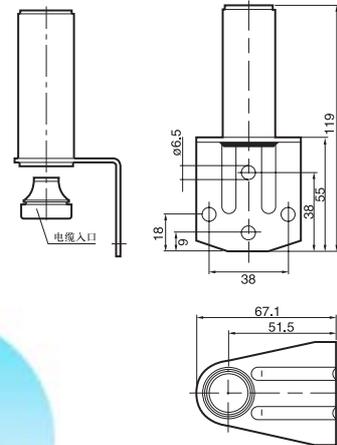
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base (out-line) C-1

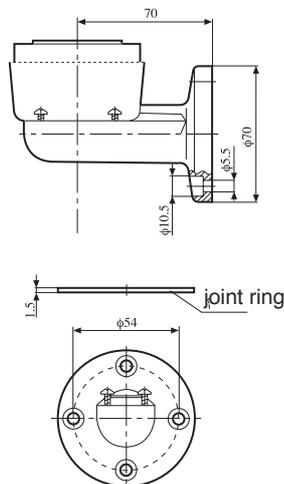
- ★ It should be used with C-3 or C-4 when sidemounting
- ★ It should be used with S-1 or S-7 when installing vertically



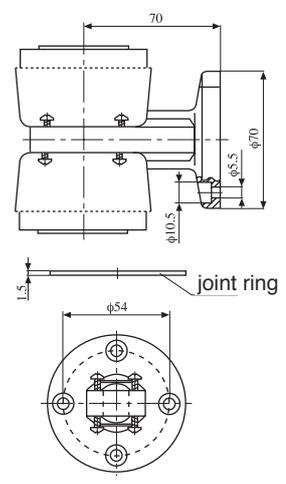
To Sidemount Base (out-line) C-2



To Sidemount Base (in-line) C-3



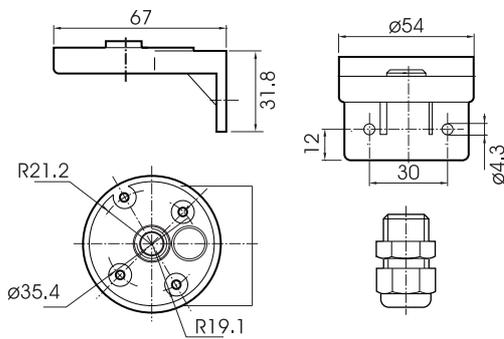
To Sidemount Base (in-line) C-4



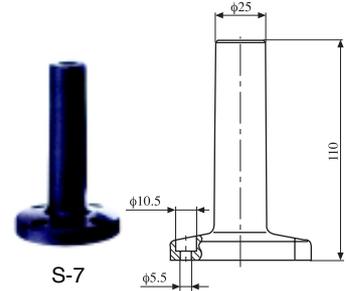
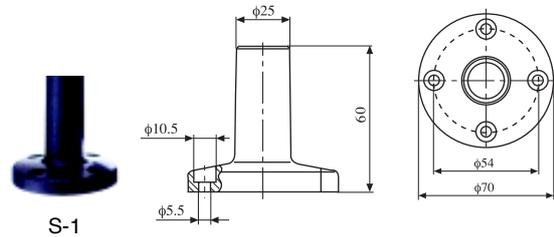
Note: Accessory should be ordered separately.

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Sidemount Base (out-line) C-6

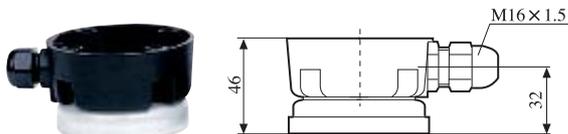


To Install Base Vertically (out-line) S-1,S-7



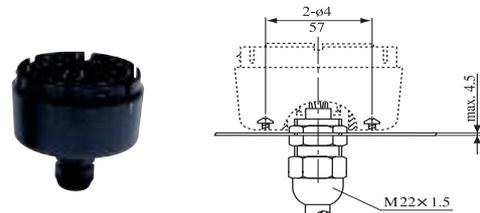
To Install Base Vertically (out-line) S-2

- ★ It should be used with C-3 or C-4 when sidemounting
- ★ It should be used with S-1 or S-7 when vertically mounting
- ★ There is permanent magnet material on the base (magnet steel)(for convenient carriage)



To Install Cable Joint (in-line) S-4

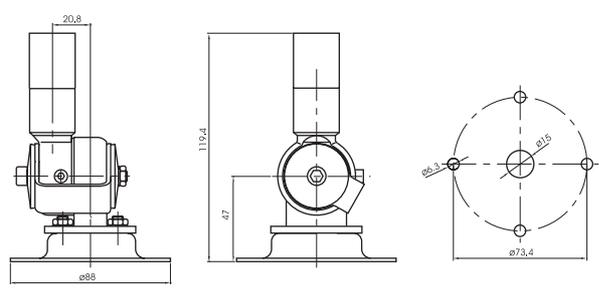
- ★ Including B01



TAYE

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base Collapsibly (in-line) SC-1

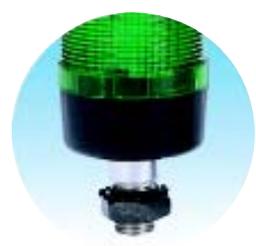
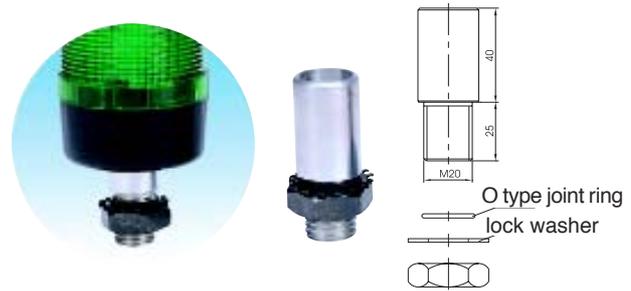


Connecting Tube

- ★ It should be used with S-1 or S-7
- 100mm G1
- 250mm G2
- 400mm G4
- 800mm G8

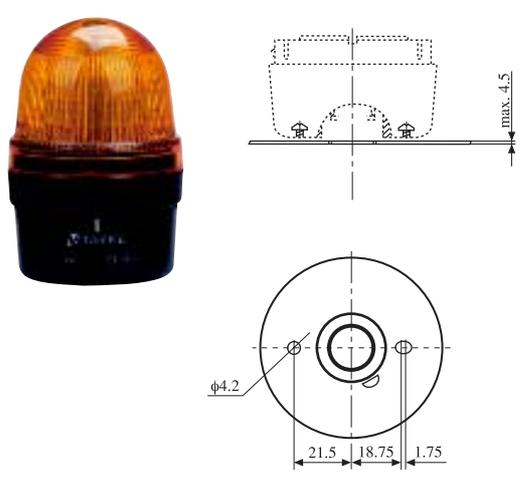


To Install the Joint (in-line) S-6

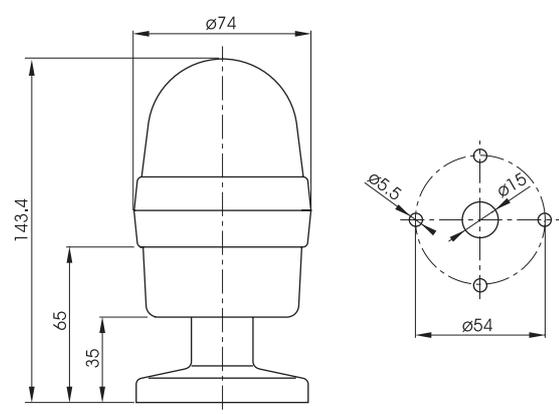


DIMENSIONAL DRAWING

To Install Directly

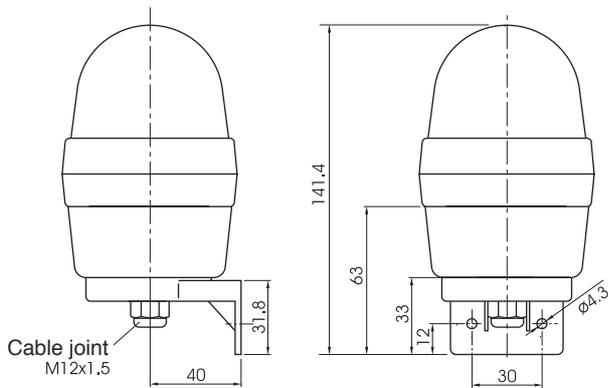


JD70CA Signal Lamp (matching S-1)

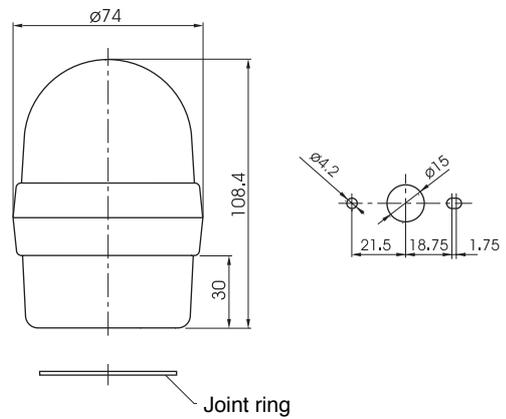


DIMENSIONAL DRAWING

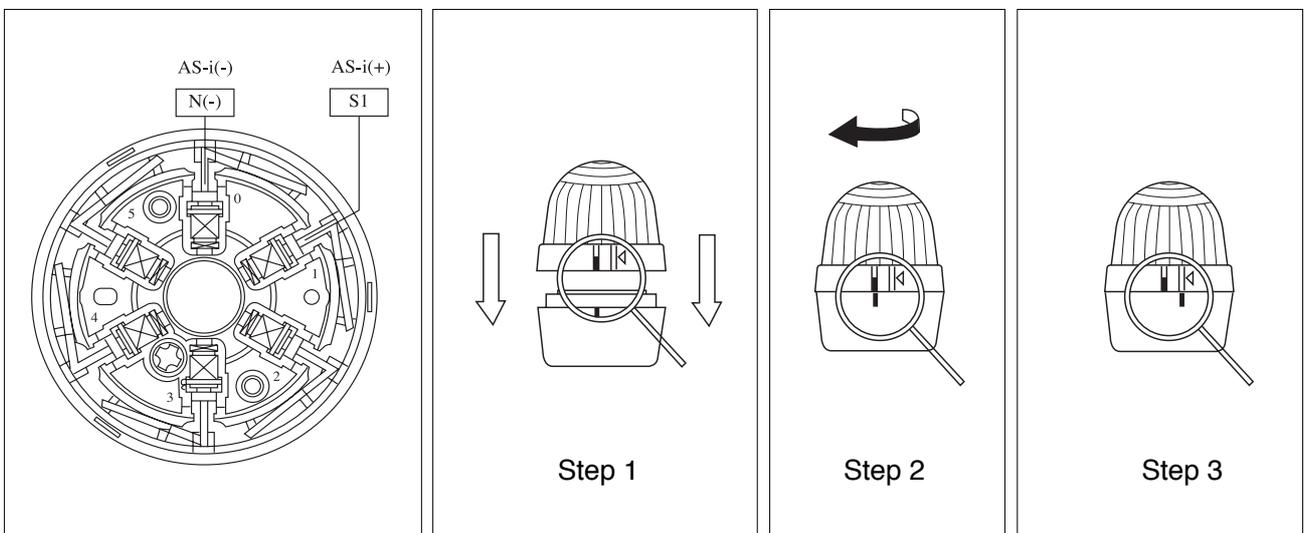
JD70CA Signal Lamp (matching C-6)



JD70CA Signal Lamp



INSTALLTION MODE



Ø50 SIGNAL LAMP



PERFORMANCE CHARACTERISTIC

There are 4 types of optical source and 2 styles offered for users.

Optical source type

LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



SUPERBRIGHT LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



FILAMENT LAMP

2 types of luminescence modes
permanent
blink



XENON LAMP

only 1 luminescence mode
blink(flash)
flash frequency
0.5Hz-2Hz



TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	3W	3W
LED maximum current	0.1A/2.4W	0.05A/0.8W
Buzzer maximum current	0.015A/0.36W	0.015A/0.45W
Xenon lamp maximum current	0.2A/4.8W	0.03A/6.6W
Xenon Lamp maximum current	/	/

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Installation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%

ORDER TYPE

single-light signal lamp

JD 50A	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
↓		↓	↓	↓	↓
Diameter		LED	Permanent	Red	DC
70mm		Super Bright LED	Blink	Green	24V
single-light		Filament Lamp	Rotating flash	Yellow	AC
		Xenon lamp	Adjustable	White	220V
				Blue	

single-light signal lamp

JD 50CA	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
↓		↓	↓	↓	↓
Diameter		LED	Permanent	Red	DC
70mm		Super Bright LED	Blink	Green	24V
		Filament Lamp	Rotating flash	Yellow	AC
		Xenon lamp	Adjustable	White	220V
				Blue	



Production type

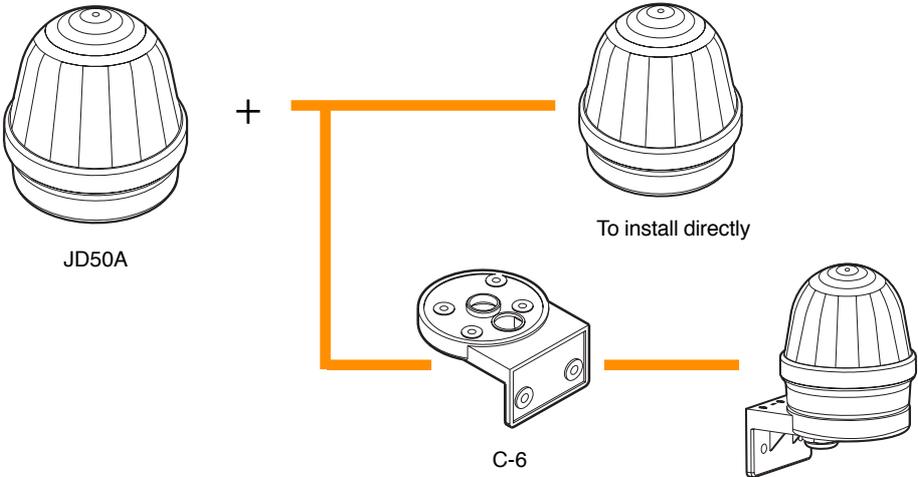
JD50A- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S		
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S		
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S		

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

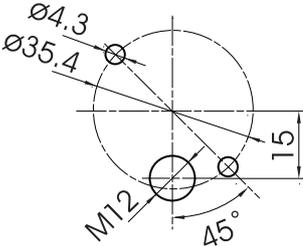
TAYE

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

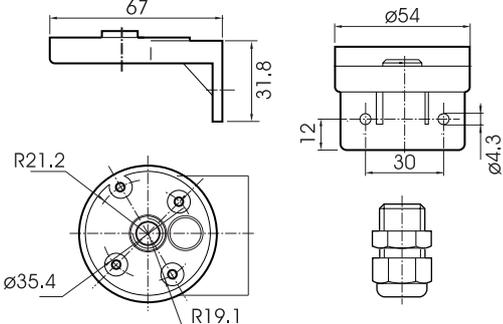


INSTALLATION MODE AND INSTALLATION ACCESSORY

To install directly (in-line)



To Sidemount Base (out-line) C-6



Note:Accessory should be ordered separately.

DEMONSTRATION OF PRODUCT

LED Signal Lamp



→ RED LED BLINK DC24V
JD50A-L02R024

→ To Install Directly

Xenon Signal Lamp

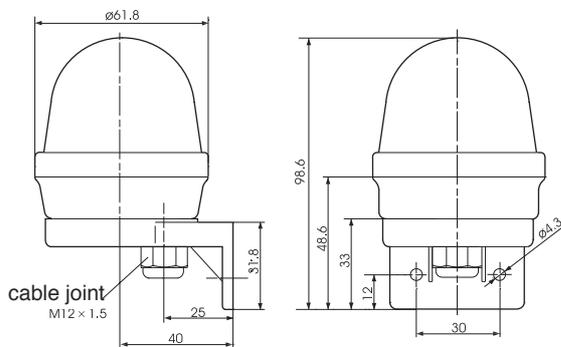


→ Green Xenon Blink DC24V
JD50A-S02G024

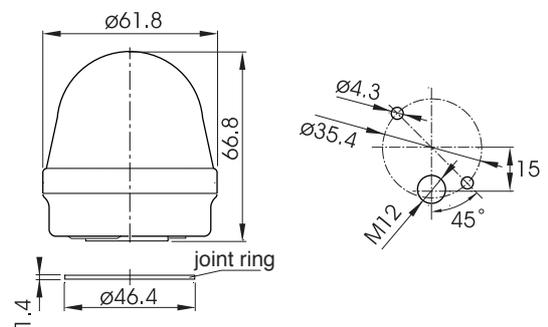
→ To Sidemount Base
C-6

DIMENSIONAL DRAWING

JD50A Signal Lamp (matching C-6)



JD50A Signal Lamp



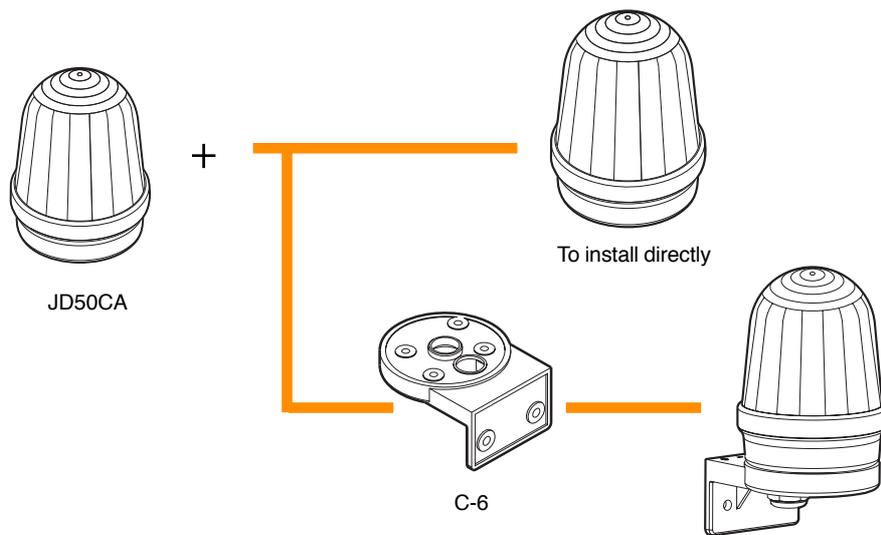
Production type

JD50CA- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage			
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4		
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024		
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S				
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S			AC 220V	122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S				

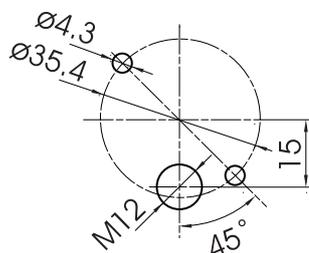
Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

SKETCH MAP FOR MAKEING UP PRODUCT AND ITS ACCESSORIES

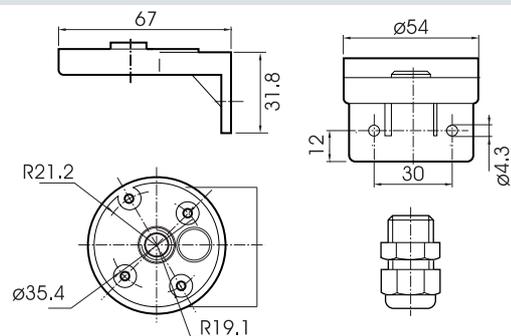


INSTALLATION MODE AND INSTALLATION ACCESSORY

To install directly (in-line)



To Sidemount Base (out-line) C-6



Note:Accessory should be ordered separately.

TAYE

DEMONSTRATION OF PRODUCT

LED Signal Lamp



→ Green LED Blink DC24V
JD50CA-L02G024

→ To Install Directly

Xenon Signal Lamp

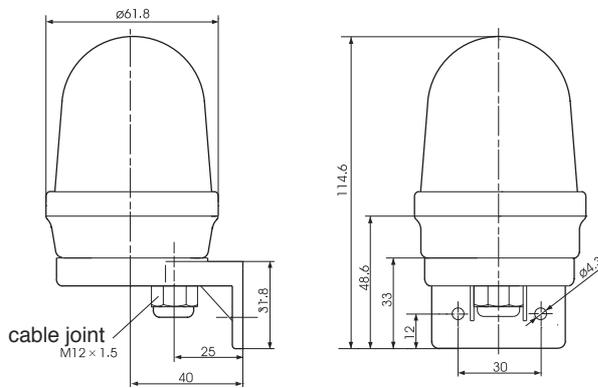


→ Blue Xenon Lamp Blink DC24V
JD50CA-S02S122

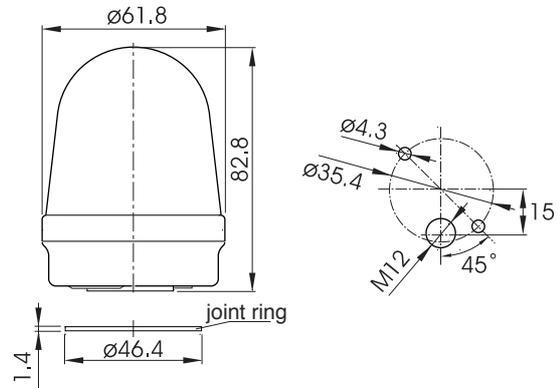
→ Sidemounted Base
C-6

DIMENSIONAL DRAWING

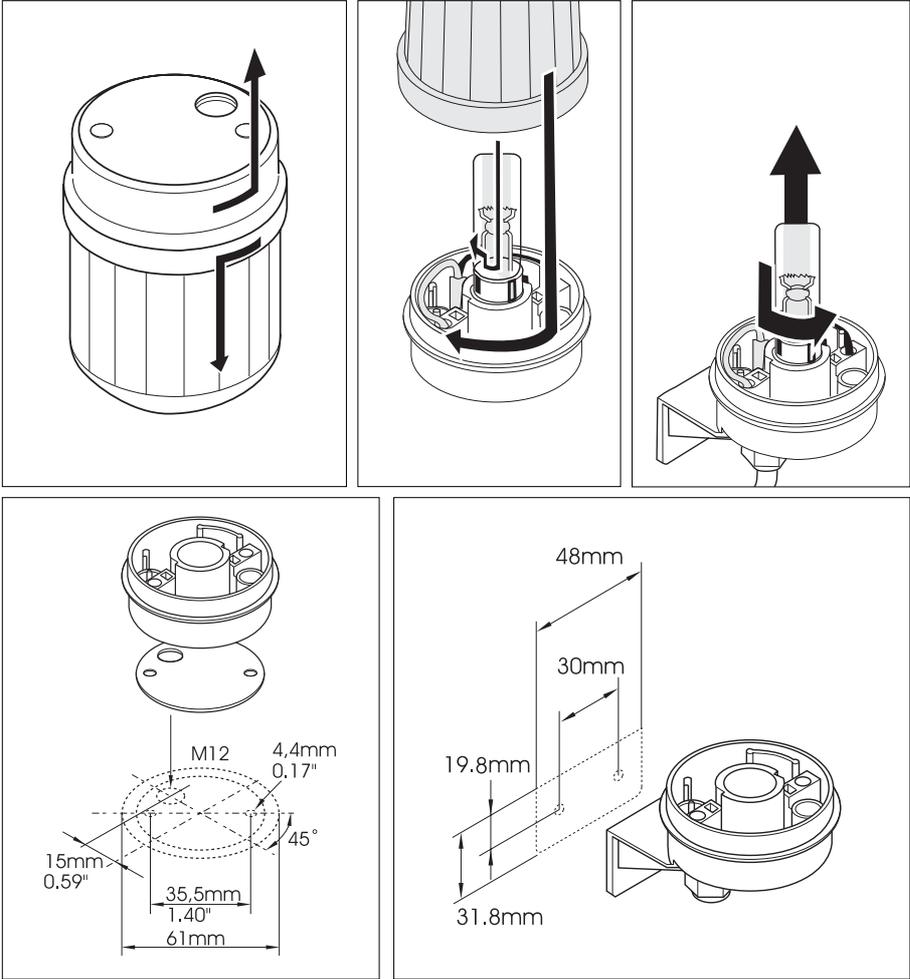
JD50CA Signal Lamp (matching C-6)



JD50CA Signal Lamp



INSTALLATION MODE





SIGNAL TOWER

Rational design

exquisite art and craft (technics)

Perfection shape

JD70 series caution system adopt Europe style , The excellence performance and generous shape design, undoubted this is your best choice.

High quality material

JD70 series caution system adopt high quality material, clear colour and luster; good diaphaneity; realizing show the signal. Fastness, attrite, using for a long time

Building block assemble

JD70 series caution system's building block assemble is easy to knock down, erector and inspector

Whole photoelectric system

JD70 series caution system would make the light system and electric system unity perfection. Not only reduce the system's height (It is about 30%) and let the swrfaceman easy to maitain the product each tier. reduce the repuiring cost.

Free assemble

Difference Combination way express kinds of function. JD70 series caution system can Combine with customer's request .



Protection degree ---IP65

In the design process, we consider of all kinds of customer's request ,JD70 series caution system can suitable all of the environment . protection degree are IP65. The application are not limited .



Ø70 SIGNAL TOWER

PERFORMANCE CHARACTERISTIC

Optical source type

JD701 optical element has offered many kinds of optical source for customers - LED, superbright LED, filament lamp, xenon lamp. Compared with common LED, the superbright LED has a 3-time luminance and its service time was prolonged greatly. It can work for 100,000 hours normally and there is no need for current maintenance. It also has more colors to choose, such as white, pure green and pure blue.

LED

4 types of luminescence modes
 permanent
 blink
 rotating flash
 adjustable
 (between permanent and blink)



SUPERBRIGHT LED

4 types of luminescence modes
 permanent
 blink
 rotating flash
 adjustable
 (between permanent and blink)



FILAMENT LAMP

2 types of luminescence modes
 permanent
 blink



XENON LAMP

Only 1 mode
 blink(flash)
 flash frequency
 0.5Hz-2Hz



AUDIBLE SOURCE TYPE

JD702 voice element have four kinds of voice: buzzer, horn, music and language. It's can suitable for all kinds of environment's request. It is three kinds of decibel: 80db, 105db, 120db.



HORN

Only 1 sounding mode
 Continuous
 120dB



BUZZER

3 sounding modes
 Continuous
 Intermittent
 Adjustable
 (between continuous and intermittent)



MUSIC

4 music modes
 Electronic-mix
 Waltz
 For Alice
 The sweet homes
 *Individual music can be ordered

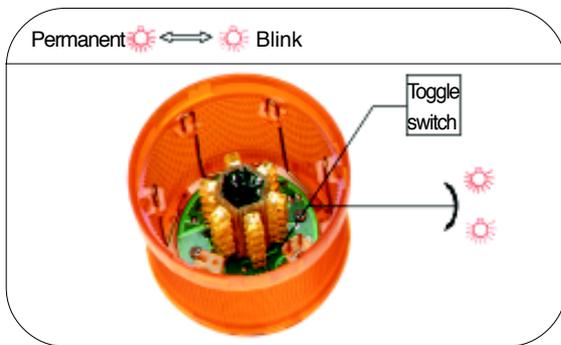
LANGUAGE

4 language modes
 Keep Clear - High Voltage
 Breakdown
 Upper Limit
 Be careful - crash
 * Individualized language can be ordered

PERFORMANCE AND CHARACTER

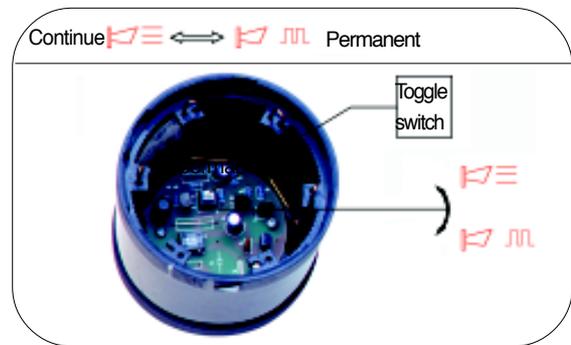
luminescence form

JD701 light element have varies luminescence form: frequent light, frequent flash, Transfer flash, and adjust type signal system able to adjust as you want (frequent light and frequent flash)this structure is Tianyi electric's patent.



Voice format

JD701 voice element have three voice form: Interrupt, Continue and adjust type. the adjust type warning system able to adjust as you want (interrupt and continue) this structure is Tianyi electric's patent.



Install format

Tianyi electric applied kinds of install accessories, you can install JD70 caution system on the side; horizontal and upright; and also you can adjust the height.



Connection foundation

You can connect JD70 caution system to your machine quickly and simply ,let it exert strong function .



Strong performance

JD70 caution system have some of alarm function .for example :trouble denote ; await orders denote; repairing denote and trouble alarm .

Resist vibration

The vibration will have different damage to the element when machine in the working process , and reducing the using life ,JD70 caution system special resist vibration design avoid it ,so it increase product's using life .

TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	3W	3W
LED maximum current	0.1A/2.4W	0.05A/0.8W
Buzzer maximum current	0.015A/0.36W	0.015A/0.45W
Xenon lamp maximum current	0.2A/4.8W	0.03A/6.6W
Xenon Lamp maximum current	0.25A/6W	0.25A/3.2W

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Installation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%



ORDER TYPE

Light element

JD 701	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
↓		↓	↓	↓	↓
Ø70 diameter		LED	Permanent	Red	DC
Light element		Super Bright LED	Blink	Green	24V
Light element		Filament Lamp	Rotating flash	Yellow	AC
		Xenon lamp	Adjustable	White	220V
				Blue	

Diameter Voice element

JD 702	—	Sonic source	+ Sounding modes	+ Decibel	+ Voltage
↓		↓	↓	↓	↓
Ø70 diameter		Buzzer	Continue	80dB	DC
Voice element		Horn	Interrupt	100dB	24V
		Music	Adjustable	120dB	AC
		Language			220V

Production type

JD701- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

Production type

JD702- order type1+ order type2+ order type3+ order type4+ order type5

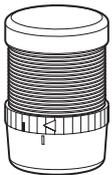
	Sonic source		Sounding modes		Decibel		Color		Voltage			
	Sound	Order type1	Modes	Order type2	Decibel	Order type3	Color	Order type4	Voltage	Order type5		
	Horn	P	Continue	01	120dB	12	Black	B	DC 24V	024		
	Buzzer	F	Continue Interrupt Adjust type	01 02 03	80dB 100dB	08 10	Black	B				
	Music	M	Audio mixing Waltzes For Elise The sweet home	01 04 05 06	100dB	10	Black	B			AC 220V	122
	Language	V	Keep Clear - High Voltage Breakdown Upper Limit Be careful crash	01 02 03 04	100dB	10	Black	B				

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

Production type

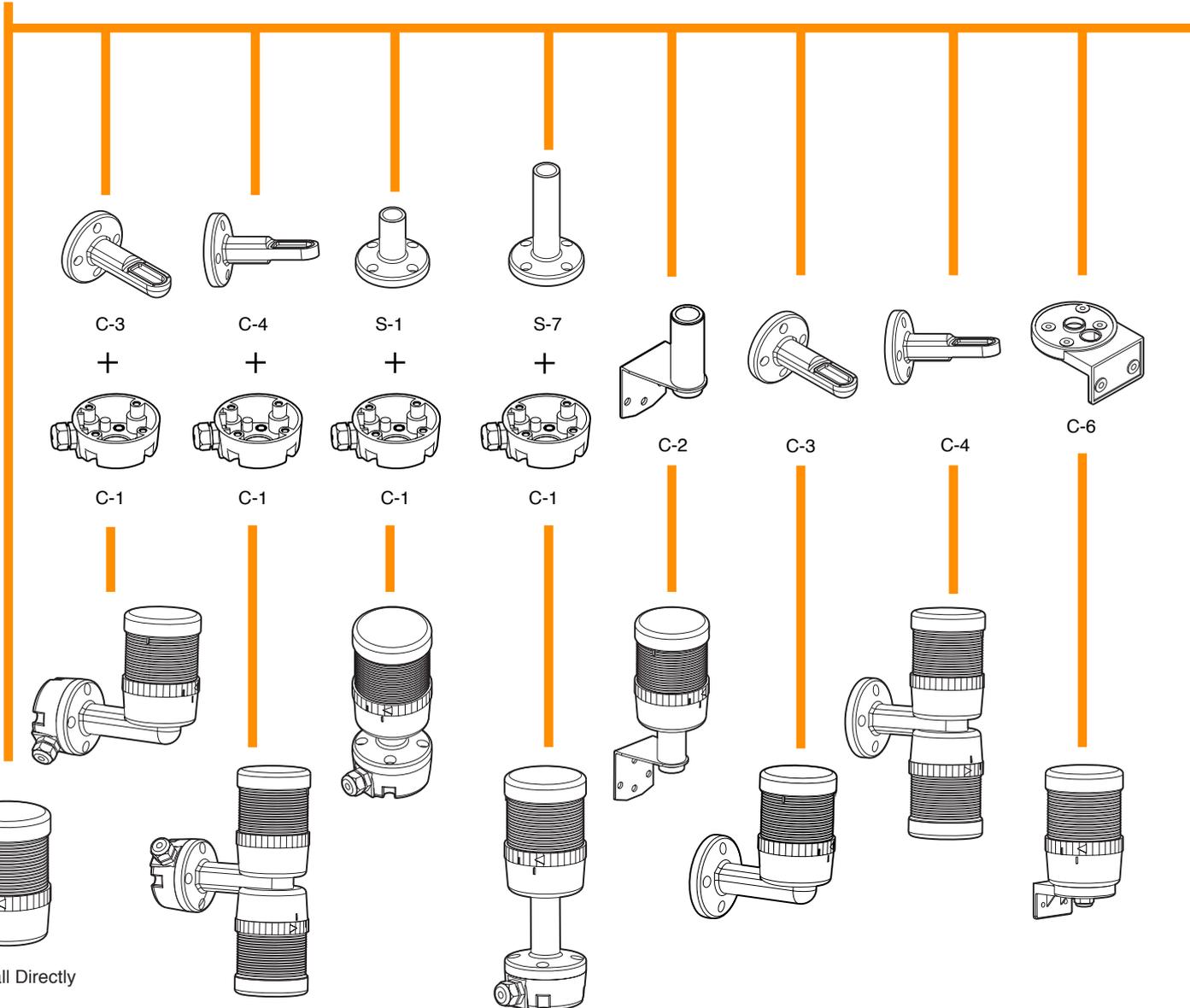
	Name	Type
	Decorate cap	A01
	Connection foundation	B01

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

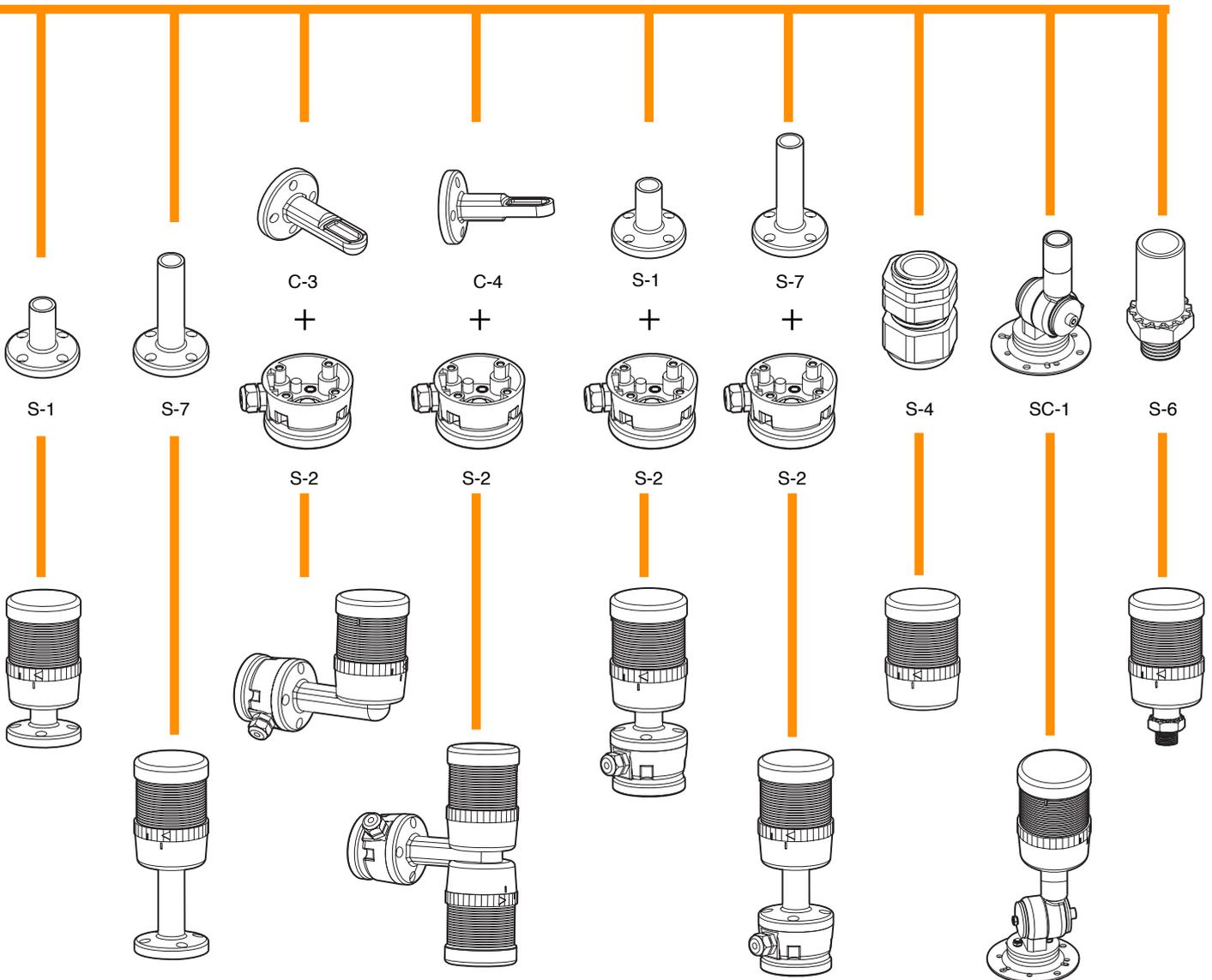


+

JD70 SIGNAL TOWER



To Install Directly



Note: the bottom of S-2 use permanent magnet material (magnet)

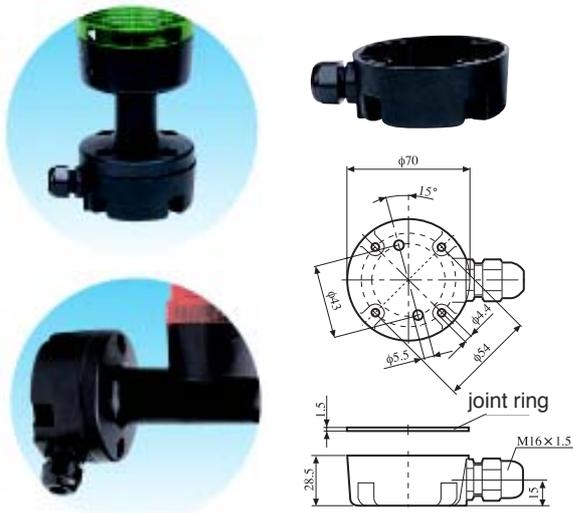
Note: SC-1 is collapsible

TRAYE

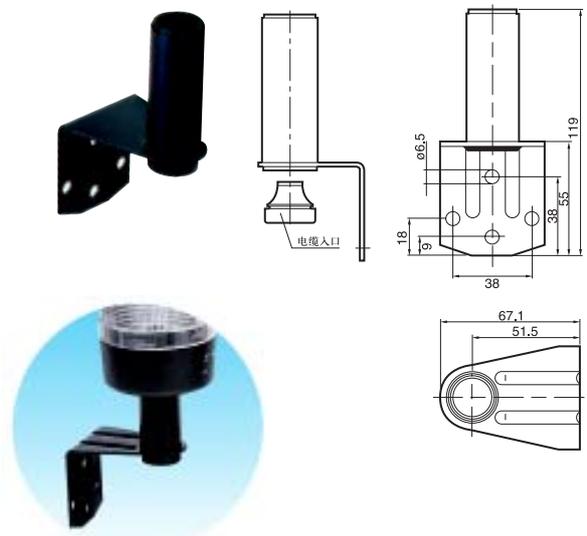
SKETCH MAP FOR MAKEING UP PRODUCT AND ITS ACCESSORIES

To Install Base (out-line) C-1

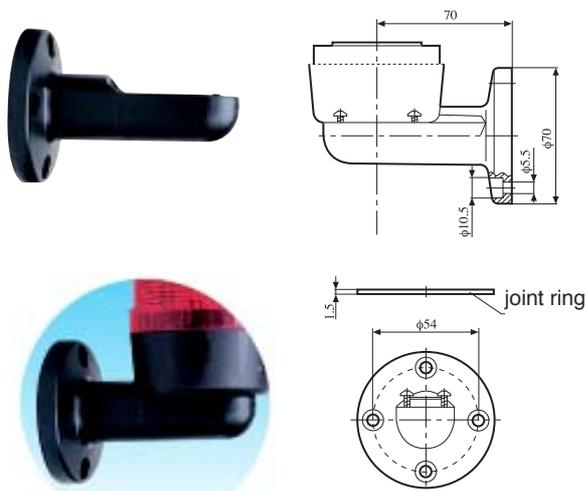
- ★ It should be used with C-3 or C-4 when sidemounting
- ★ It should be used with S-1 or S-7 when installing vertically



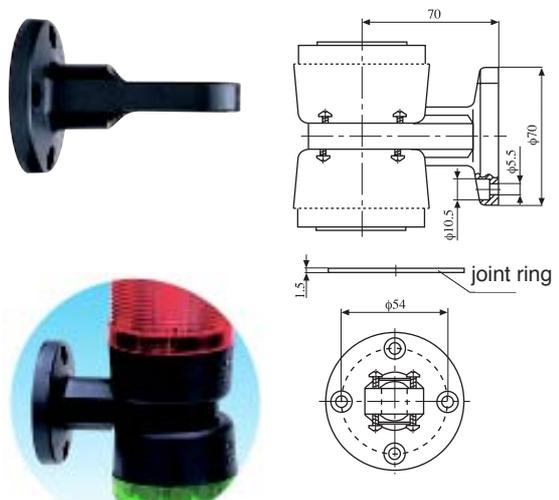
To Sidemount Base (out-line) C-2



To Sidemount Base (in-line) C-3



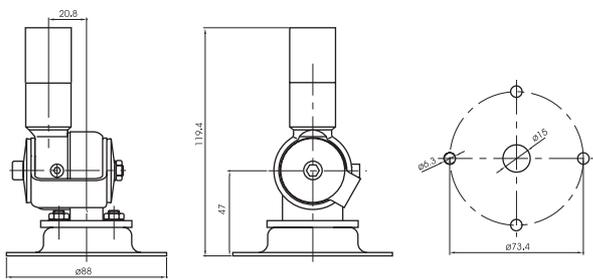
To Sidemount Base (in-line) C-4



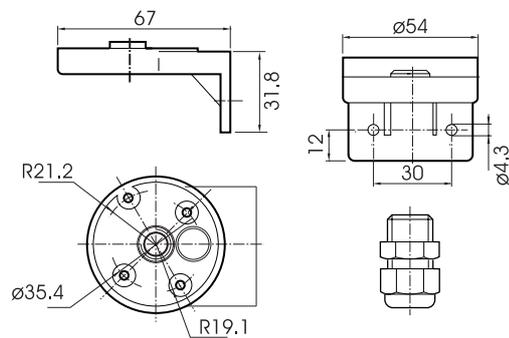
Note:Accessory should be ordered separately.

SKETCH MAP FOR MAKEING UP PRODUCT AND ITS ACCESSORIES

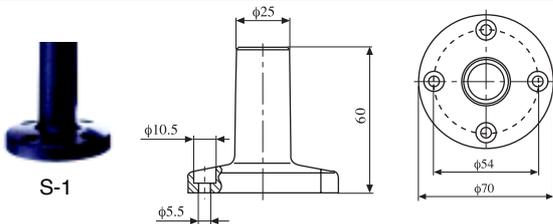
To Install Base Collapsibly (in-line) SC-1



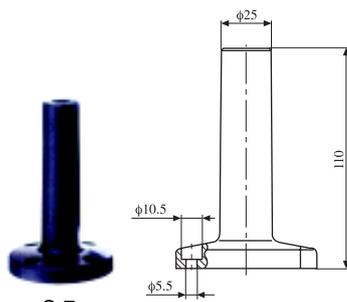
To Sidemount Base (out-line) C-6



To Install Base Vertically (out-line) S-1,S-7



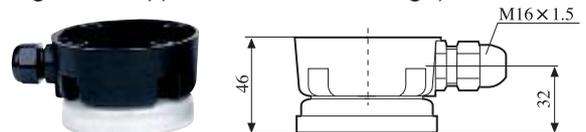
S-1



S-7

To Install Base Vertically (out-line) S-2

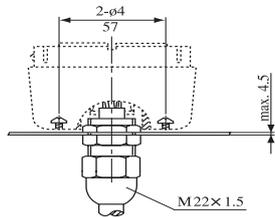
- ★ It should be used with C-3 or C-4 when sidemounting
- ★ It should be used with S-1 or S-7 when vertically mounting
- ★ There is permanent magnet material on the base (magnet steel)(for convenient carriage)



SKETCH MAP FOR MAKEING UP PRODUCT AND ITS ACCESSORIES

To Install Cable Joint (in-line) S-4

★ Including B01



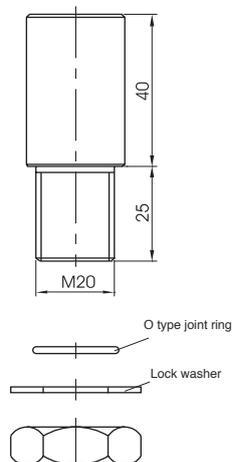
Connecting Tube

★ It should be used with S-1 or S-7



100mm	G1
250mm	G2
400mm	G4
800mm	G8

To Install the Joint (in-line) S-6



DEMONSTRATION OF PRODUCT

1 Layer



- Cap **A01**
- Optical Element (Red DC24V LED Blink) **JD701-L02R024**
- Connection Base **B01**
- Directly Installed Base **S-1**

2 Layers



- Cap **A01**
- Audible Element (80dB DC24V Intermittent Singing) **JD702-F0208B024**
- Optical Element (Yellow DC24V LED Blink) **JD701-L02Y024**
- Connection Base **B01**
- Directly Installed Base **S-1**

4 Layers



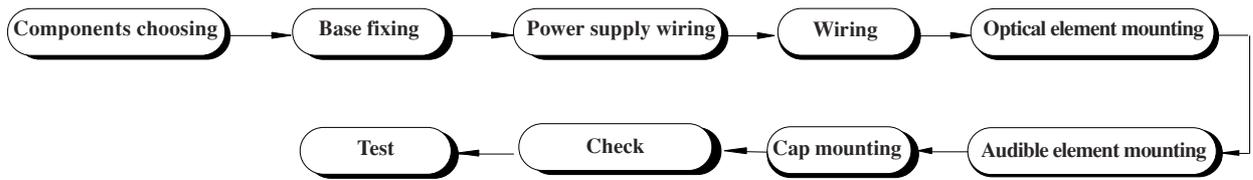
- Cap **A01**
- Audible Element (80dB AC220V Continuous Singing) **JD702-F0108B122**
- Optical Element Green AC220V Superbright LED Permanent **JD701-H01G122**
- Optical Element White AC220V Superbright LED Permanent **JD701-H01W122**
- Optical Element Blue AC220V Superbright LED Permanent **JD701-H01S122**
- Connection Base **B01**
- Directly Installed Base **S-1**

3 Layers

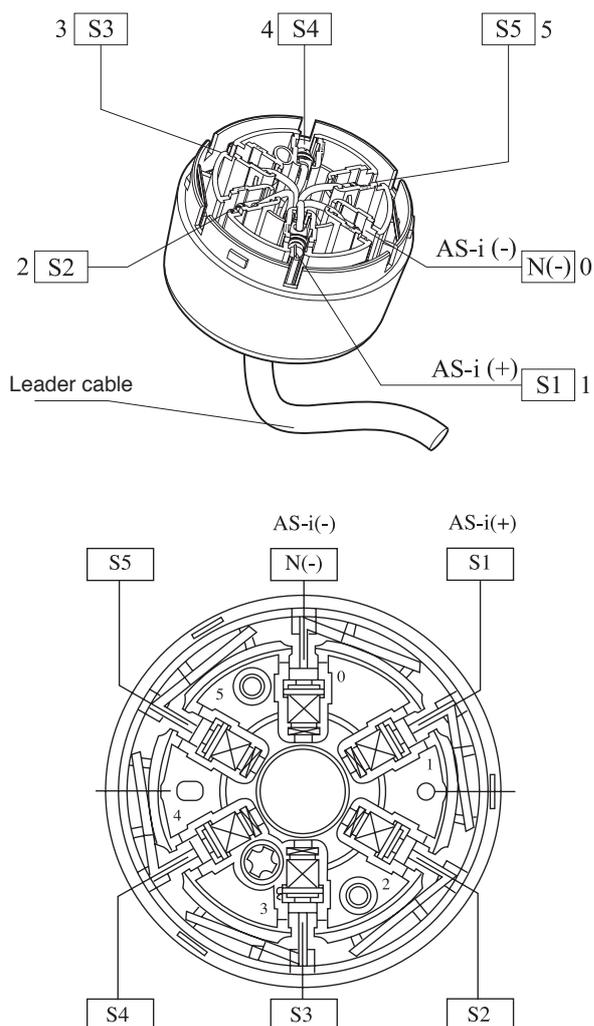


- Cap **A01**
- Optical Element Red DC24V Filament Lamp Adjustable **JD701-X04R024**
- Optical Element Yellow DC24V Filament Lamp Adjustable **JD701-X04Y024**
- Optical Element Green DC24V Filament Lamp Adjustable **JD701-X04G024**
- Connection Base **B01**
- Directly Installed Base **S-1**

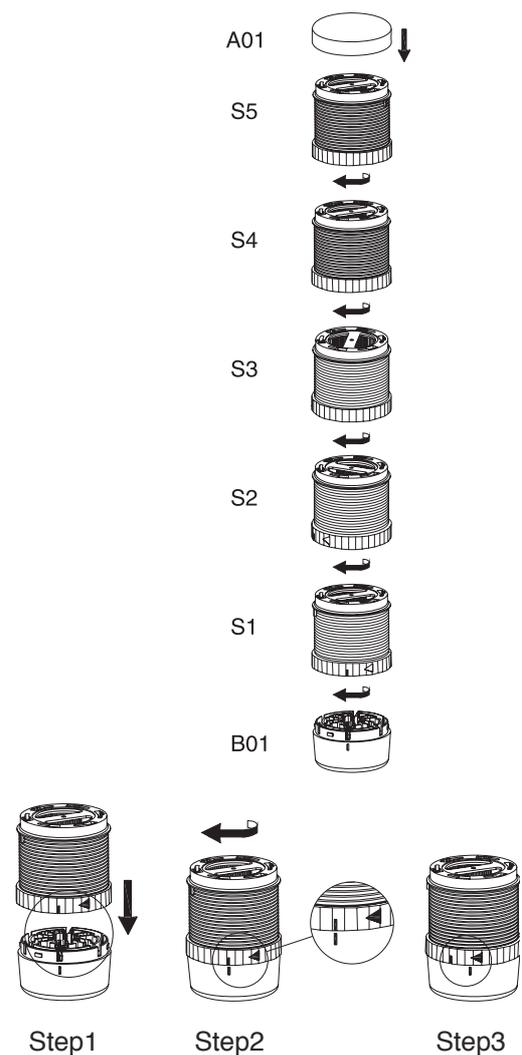
FULL INSTRUCTION OF INSTALLATION



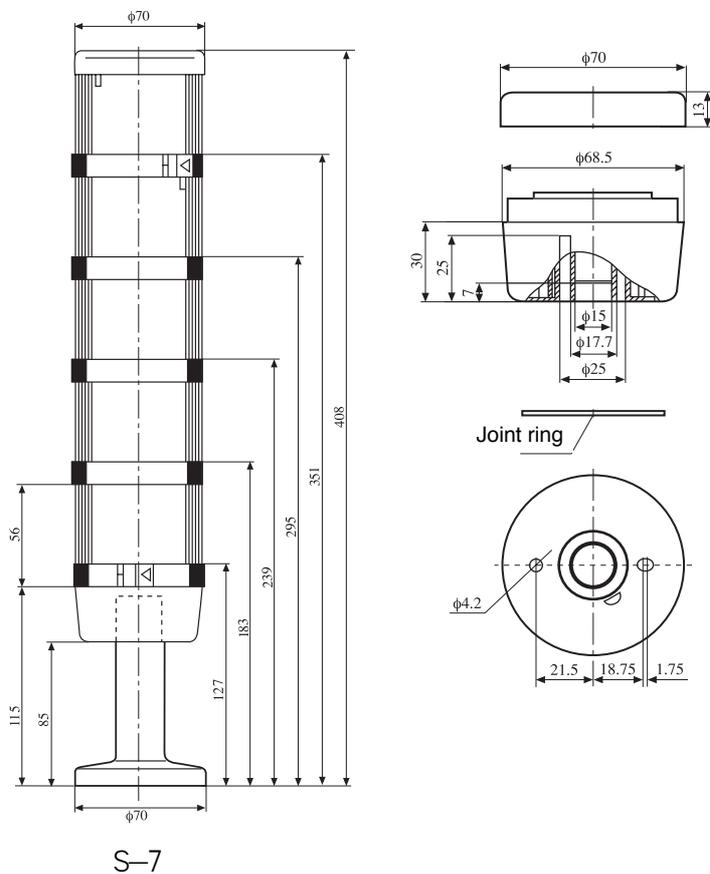
Demonstration for Conductivity Base Connection



Demonstration for Installation



DIMENSIONAL DRAWING



Note: Each dimension decrease 50 when you choose S-1



Matters need attention

In order to prevent accidents such as fire, electric shock from occurring, users must pay attention on the following precautions:

- Power must be cut off before installation, construction and inspection.
- Naked light must not exit in the allocated range of this product. Working environmental temperature must be lower than 55c.
- The cable must reach the safely-using standard.
- Installation foundation and installation line must be firm and steady.
- The installing, maintaining of this product must be operated by professional personnel.

The product can be installed with different parts by users of their own, but each part must be in the same voltage gradation.

- Voltage of the power must accord with the stipulated voltage of the products.
- Please wire according to the regulation of the manual when constructing and inspecting.

In order to keep the caution light striking, please pay attention to the following several points:

- The outer cover should use the soft cloth to clean frequently, in case the dust hides the light dirtily.
- Avoid contacting the chemical solvent as much as possible, in case that the surface is causticized and fluffed, and influence the transmissivity.
- Put to earth, in case that static damages the device.

Ø50 SIGNAL TOWER

PERFORMANCE CHARACTERISTIC

Optical source type

LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



SUPERBRIGHT LED

4 types of luminescence modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



FILAMENT LAMP

2 types of luminescence modes
permanent
blink



XENON LAMP

Only 1 mode
blink(flash)
flash frequency
0.5Hz-2Hz



AUDIBLE SOURCE TYPE

Buzzer

2 sounding modes
Continuous
Intermittent



TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	3W	3W
LED maximum current	0.1A/2.4W	0.05A/0.8W
Buzzer maximum current	0.015A/0.36W	0.015A/0.45W
Xenon lamp maximum current	0.2A/4.8W	0.03A/6.6W

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Installation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%



ORDER TYPE

Light element

JD 501	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
↓		↓	↓	↓	↓
Ø50 diameter		LED	Permanent	Red	DC
Light element		Super Bright LED	Blink	Green	24V
Light element		Filament Lamp	Rotating flash	Yellow	AC
		Xenon lamp	Adjustable	White	220V
				Blue	

Diameter Voice element

JD 502	—	Sonic source	+ Sounding modes	+ Decibel	+ Voltage
↓		↓	↓	↓	↓
Ø50 diameter		Buzzer	Continue	80dB	DC
Voice element			Interrupt	100dB	24V
					AC
					220V



Production type

JD501- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage			
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4		
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024		
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S				
	Xenon Lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S			AC 220V	122
	Filament lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S				

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

Production type

JD502- order type1+ order type2+ order type3+ order type4+ order type5

	Sonic source		Sounding modes		Decibel		Color		Voltage	
	Sound	Order type1	Modes	Order type2	Decibel	Order type3	Color	Order type4	Voltage	Order type5
	Buzzer	F	Continue Interrupt	01	80dB	08	Black	B	DC 24V	024
				02	100dB	10			AC 220V	122

Note:DC is applicable to AC (which means DC and AC are both applicable)

	Name	Type
	Decorate cap	A02
	Connection foundation	B03

DEMONSTRATION OF PRODUCT

1 Layer



- Cap
A02
- Optical Element
(Yellow DC24V LED Blink)
JD501-L02Y024
- Connection Base
B03
- Directly Installed Base
S-1

2 Layers



- Cap
A02
- Optical Element
(GreenDC24V LED Blink)
JD501-L02G024
- Optical Element
(Yellow DC24V LED Blink)
JD501-L02Y024
- Connection Base
B03
- Directly Installed Base
S-6

3 Layers



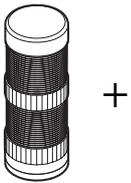
- Cap
A02
- Optical Element
Green AC220V Superbright LED Permanent
JD501-H01G122
- Optical Element
Yellow AC220V Superbright LED Permanent
JD501-H01Y122
- Optical Element
Blue AC220V Superbright LED Permanent
JD501-H01S122
- Connection Base
B03
- Directly Installed Base
S-1

4 Layers

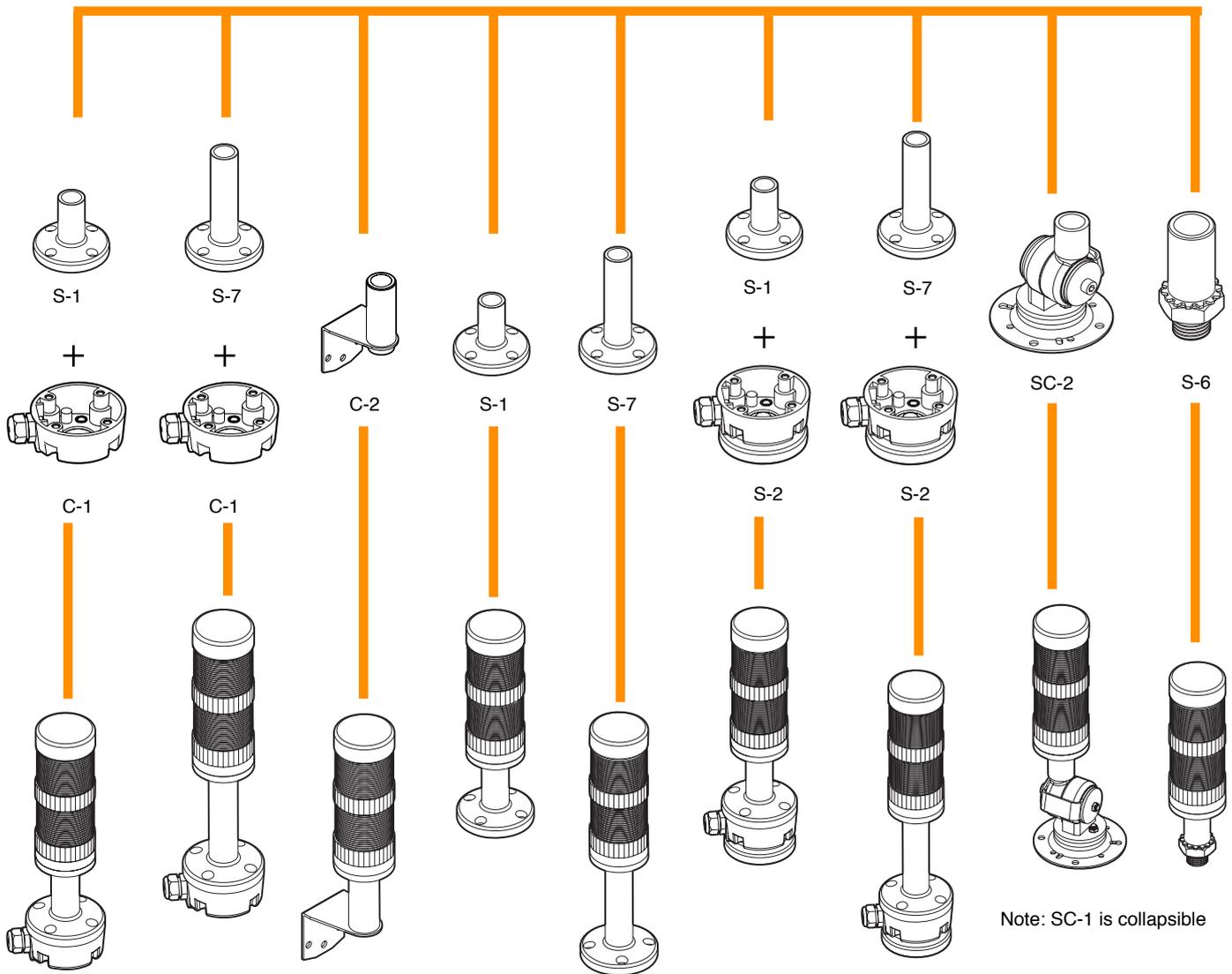


- Cap
A02
- Audible Element
Black DC24V 80dB Continuous
JD502-F0108B024
- Optical Element
Green DC24V Filament Lamp Adjustable
JD501-X04G024
- Optical Element
Yellow DC24V Filament Lamp Adjustable
JD501-X04Y024
- Optical Element
Blue DC24V Filament Lamp Adjustable
JD501-X04S024
- Connection Base
B03
- Directly Installed Base
S-1

SKETCH MAP FOR MAKEING UP PRODUCT AND ITS ACCESSORIES



JD50 signal tower



To Install Directly

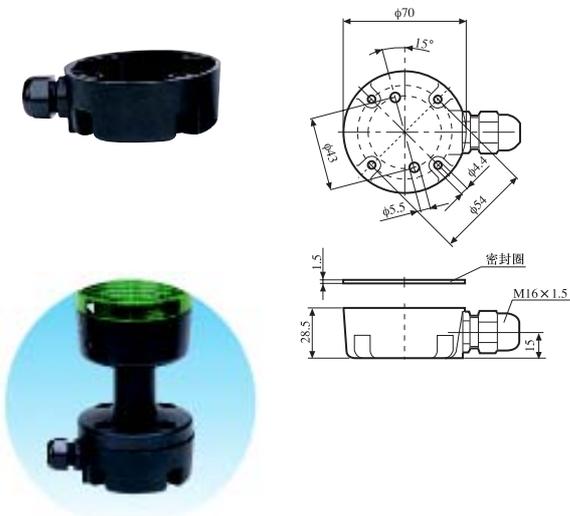
Note: the bottom of S-2 use permanent magnet material (magnet)

Note: SC-1 is collapsible

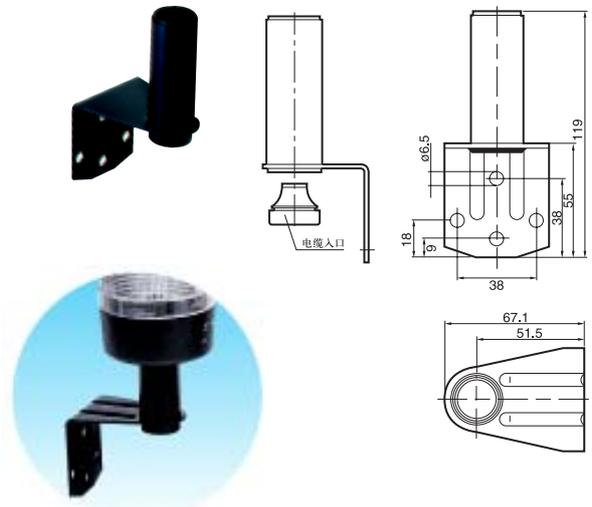
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base (out-line) C-1

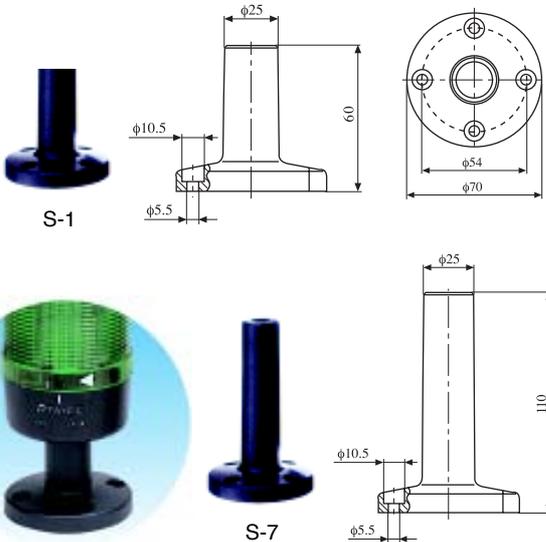
★ It should be used with S-1 or S-7 when installing vertically



To Sidemount Base (out-line) C-2

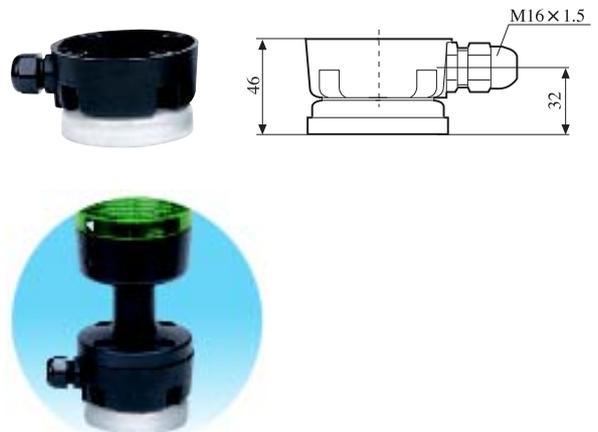


To Install Base Vertically (out-line) S-1,S-7



To Install Base Vertically (out-line) S-2

★ It should be used with S-1 or S-7 when vertically mounting
There is permanent magnet material on the base (magnet steel)(for convenient carriage)

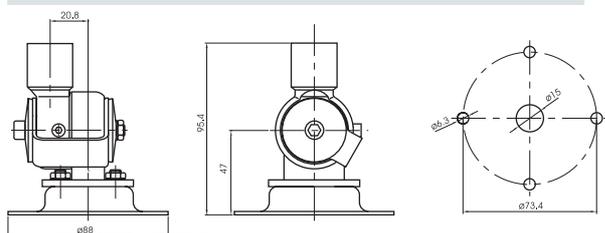


Note:Accessory should be ordered separately.

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

FULL INSTRUCTION OF INSTALLATION

To Install Base Collapsibly (in-line) SC-2



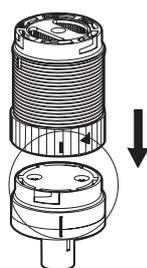
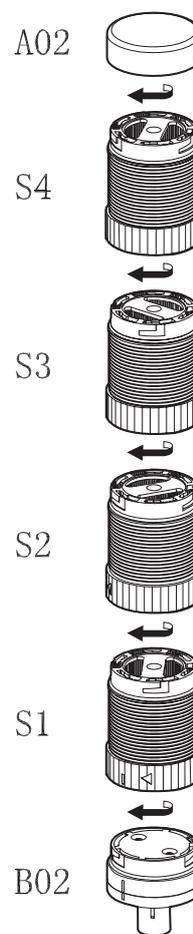
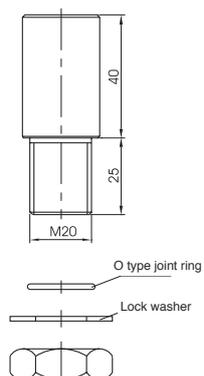
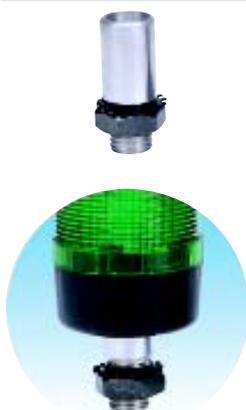
Connecting Tube

★ It should be used with S-1 or S-7

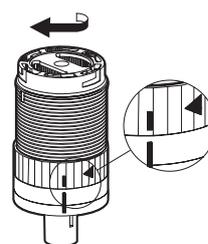
- 100mm G1
- 250mm G2
- 400mm G4
- 800mm G8



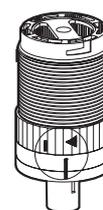
To Install the Joint (in-line) S-6



Step1

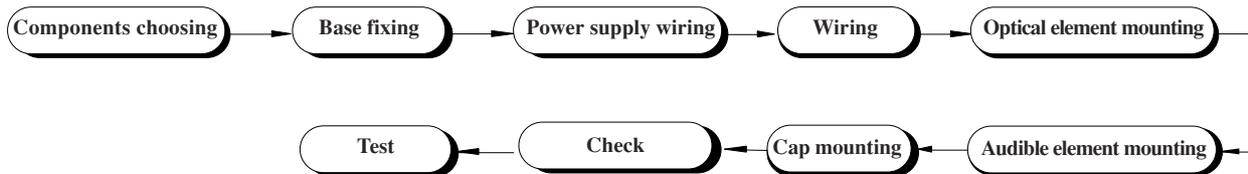


Step2

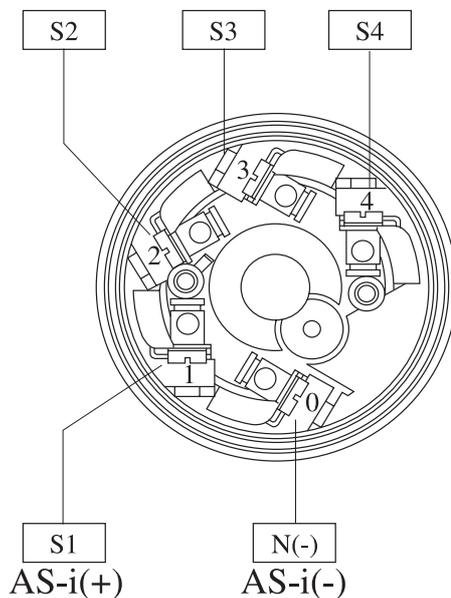
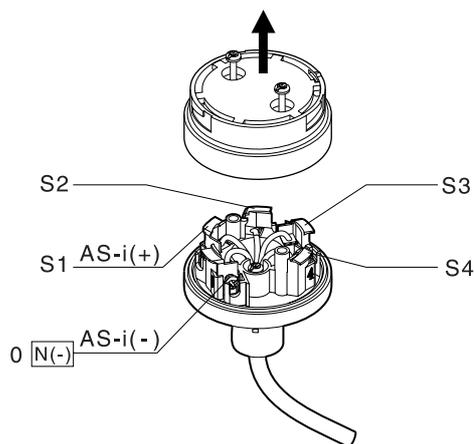


Step3

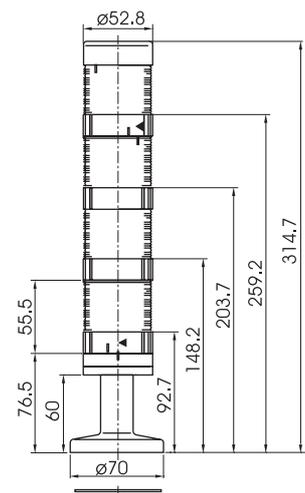
FULL INSTRUCTION OF INSTALLATION



Demonstration for Conductivity Base Connection



DIMENSIONAL DRAWING



Matters need attention

Power must be cut off before installation, construction and inspection.

Naked light must not exit in the allocated range of this product.

perature must be lower than 55 °C

The cable must reach the safely-using standard.

Installation foundation and installation line must be firm and steady.

The installing ,maintaining of this product must be operated by professional personnel.

The product can be installed with different parts by users of their own ,but each part must be in the same voltage gradation.

Voltage of the power must accord with the stipulated voltage of the products.

Please wire according to the regulation of the manual when constructing and inspecting.

MOUNTING DIAMETER 22mm SIGNAL LAMP

TYPE OF SINGLE LIGHT STYLE SIGNAL LAMP

JD503- order type1+ order type2+ order type3+ order type4

	Optical source		Sounding modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent	01	Red	R	DC 24V	024
Blink			02	Green	G			
Rotating flash			03	Yellow	Y			
		White	W	AC 220V	122			
		Blue	S					
	Super Bright LED	H	Permanent	01	Red	R	DC 24V	024
Blink			02	Green	G			
Rotating flash			03	Yellow	Y			
		White	W	AC 220V	122			
		Blue	S					
	Filament Lamp	S	Blink	02	Red	R	DC 24V	024
				Green	G			
				Yellow	Y	AC 220V		
		White	W					
		Blue	S					

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

TYPE OF BUZZER

JD503- order type1+ order type2+ order type3+ order type4+ order type5

	Sonic source		Sounding modes		Decibel		Color		Voltage	
	Sound	Order number 1	Modes	Order number 2	Decibel	Order number 3	Color	Order number 4	Voltage	Order number 5
	Buzzer	F	Continue	01	100dB	10	Black	B	DC 24V	024
Interrupt			02							
				AC 220V	122					

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

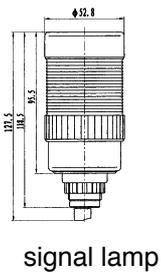
TYPE OF OPTICAL-AUDIBLE STYLE SIGNAL LAMP

JD503- order type1+ order type2+ order type3+ order type4+ order type5+ order type6+ order type7

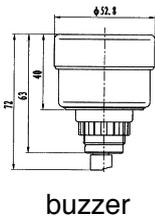
	Optical source	Luminescence modes	Sonic source	Sounding modes	Decibel	Color	Voltage
	Order type1	Order type2	Order type3	Order type4	Order type5	Order type6	Order type7
	LED L	Permanent 01 Blink 02 Rotating flash 03	Buzzer F	Continue 01 Interrupt 02	100dB 10	Red R Green G Yellow Y White W Blue S	DC 24V 024 AC 220V 122
	Super Bright LED H						
	Xenon Lamp S	Blink 02					

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

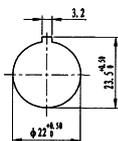
OUTER SIZE



signal lamp

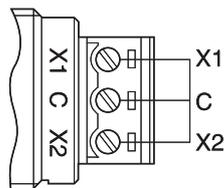


buzzer



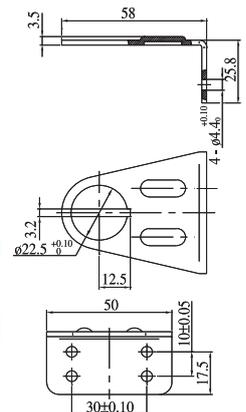
mounting dimensions

SKETCH MAP FOR WIRING

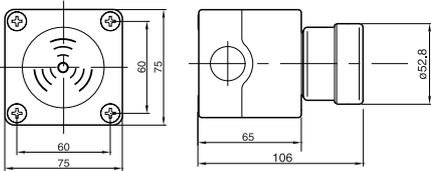
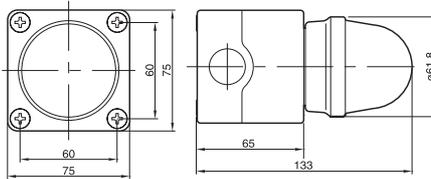
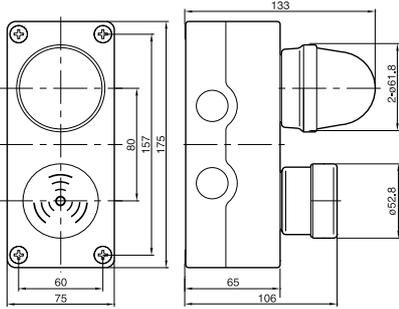
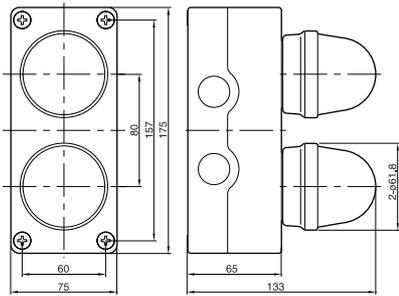


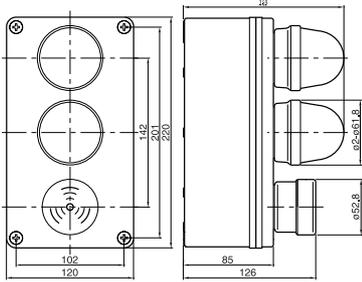
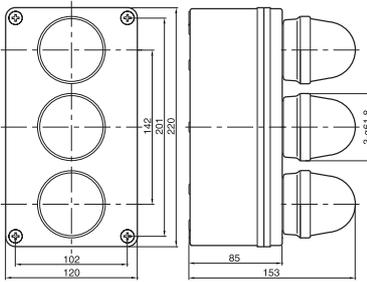
C is common
When C connects with X1, optical components work
When C connects with X2, audible component works
When C connects with X1 and X2, optical and audible components work together

To sidemount base C-9



WHOLE SET ALARM

		Type	Configure
		JDBOX1-F/  ■	Single buzzer 100dB intermittent Including 1.5mm ² connector 4 prefab hole PG16 (M22) (3 on side and 1 on base) protection degree IP65
		JDBOX1-D/  ■	Single signal lamp diode permanent signal lamp Including 1.5mm ² connector 4 prefab hole PG16 (M22) (3 on side and 1 on base) protection degree IP65
		JDBOX2-FD/  ■	1 buzzer+ 1 signal lamp 100dB intermittent diode permanent signal lamp Including 1.5mm ² connector 6 prefab hole PG16 (M22) (4 on side and 2 on base) protection degree IP65
		JDBOX2-D/  ■	2 Single signal lamps diode permanent signal lamp Including 1.5mm ² connector 6 prefab hole PG16 (M22) (4 on side and 2 on base) protection degree IP65

		Type	Configure
		JDBOX3-FD/  	1 buzzer+ 2 signal lamp 100dB intermittent diode permanent signal lamp Including 1.5mm ² connector 4 prefab hole PG16 (M22) (4 on side) protection degree IP65
		JDBOX3-D/  	3 Single signal lamps diode permanent signal lamp Including 1.5mm ² con- nector 4 prefab hole PG16 (M22) (4 on side) protection degree IP65

Note: “ ≡ ” Note The Voltage Rating “ ” Note The Color.

ILLUSTRATION FOR DEGREE OF PROTECTION

IP

1st numeral Degree of protection against human body and solid objects	number	2nd Degree of protection against water
No protection	0	No protection
ø50mm protection against solid objects	1	Dripping water (vertically)
ø12mm protection against solid objects	2	Dripping water of up to 15° angle
ø 2.5mm protection against solid objects	3	Protection against wind and rain
ø 1mm protection against solid objects	4	Protection against cascade
Protection against dust intrusion (dustproof)	5	Protection against water spray
Dustproof (totally dustproof)	6	Protection against wave influence
	7	Protection against water jet
	8	Protection against flood

Ø90 SIGNAL TOWER

TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	3W	3W
LED maximum current	0.1A/2.4W	0.05A/0.8W
Buzzer maximum current	0.015A/0.36W	0.015A/0.45W
Xenon lamp maximum current	0.2A/4.8W	0.03A/6.6W
Horn maximum current	0.25A/6W	0.25A/3.2W

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Inatallation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%

ORDER TYPE

Light element

JD	<u>901</u>	—	Optical source	+	Luminescence modes	+	Color	+	Voltage
	↓		↓		↓		↓		↓
	Ø90 diameter		LED		Permanent		Red		DC
	Light element		Super Bright LED		Blink		Green		24V
	Light element		Filament Lamp		Rotating flash		Yellow		AC
			Xenon lamp		Adjustable		White		220V
							Blue		

Diameter Voice element

JD	<u>902</u>	—	Sonic source	+	Sounding modes	+	Decibel	+	Voltage
	↓		↓		↓		↓		↓
	Ø90 diameter		Buzzer		Continue		80dB		DC
	Voice element		Horn		Interrupt		100dB		24V
			Music		Adjustable		120dB		AC
			Language						220V

TYPE OF SINGLE LIGHT STYLE SIGNAL LAMP

JD901- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

PRODUCTION CODE

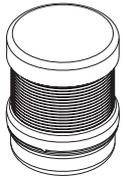
JD902- order type1+ order type2+ order type3+ order type4+ order type5

	Sonic source		Sounding modes		Decibel		Color		Voltage	
	Sound	Order type1	Modes	Order type2	Decibel	Order type3	Color	Order type4	Voltage	Order type5
	Horn	P	Continue	01	120dB	12	Black	B	DC 24V	024
	Buzzer	F	Continue Interrupt Adjust type	01 02 03	80dB 100dB	08 10	Black	B		
	Music	M	Audio mixing Waltzes For Elise The sweet homes	01 04 05 06	100dB	10	Black	B		
	Language	V	Keep Clear - High Voltage Breakdown Upper Limit Be careful crash	01 02 03 04	100dB	10	Black	B		

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

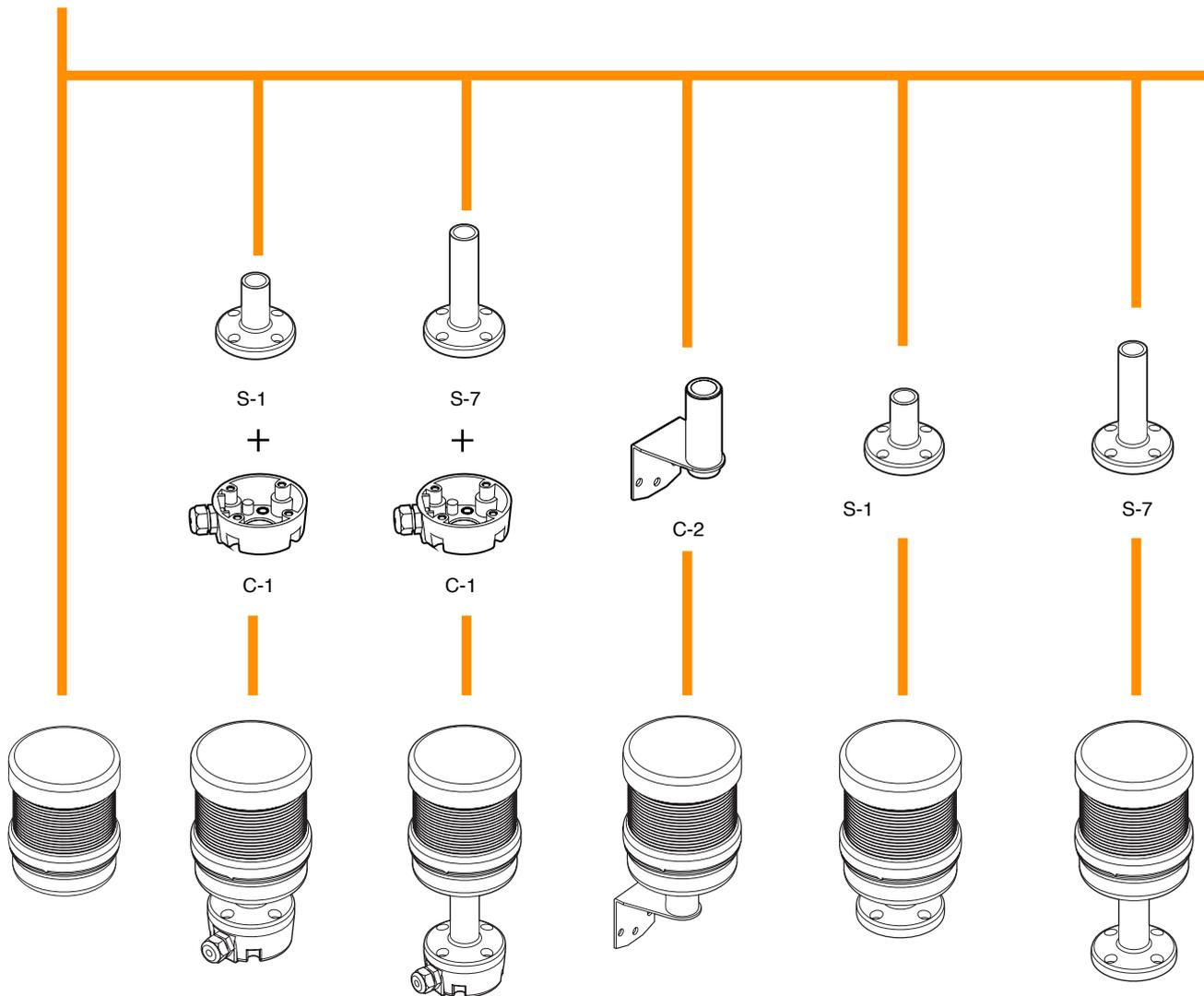
	Name	Type
	Decorate cap	A03
	Connection foundation	B04

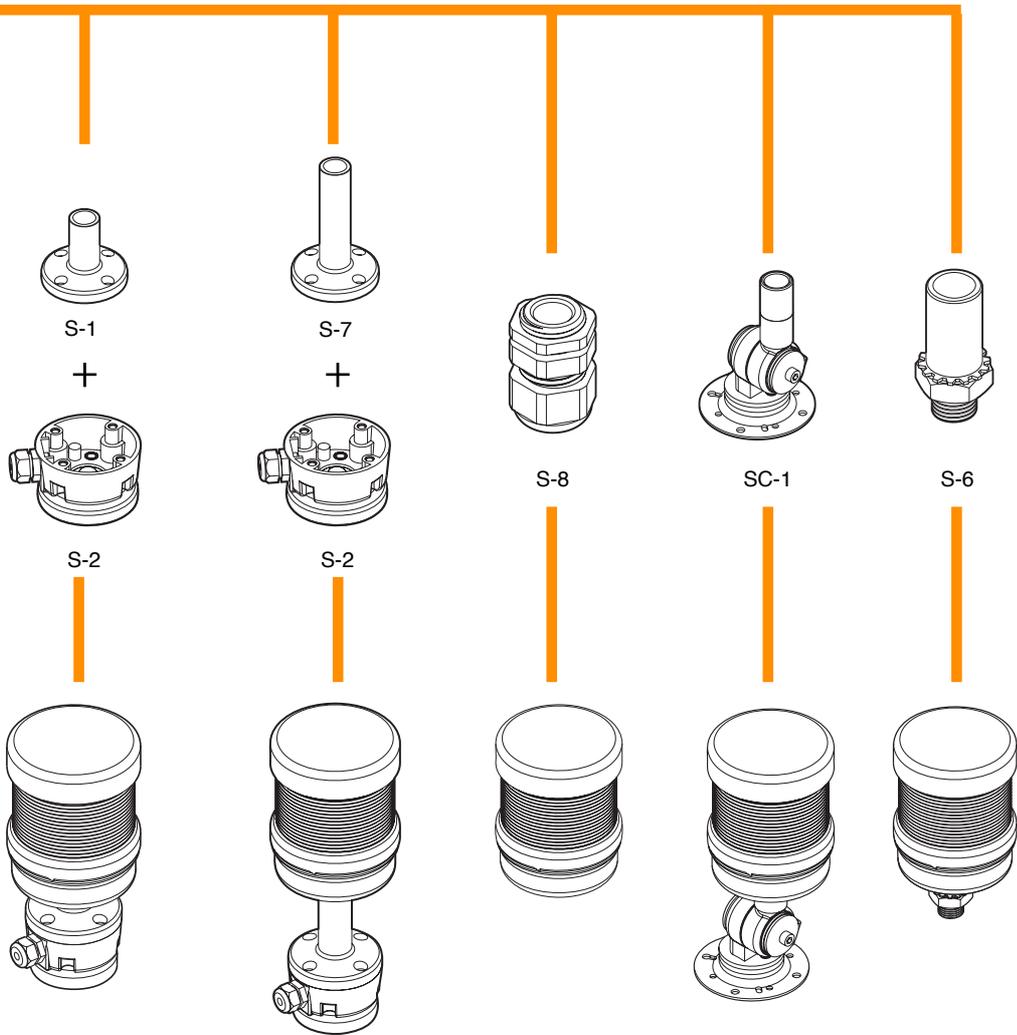
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES



+

JD90 SIGNAL TOWER





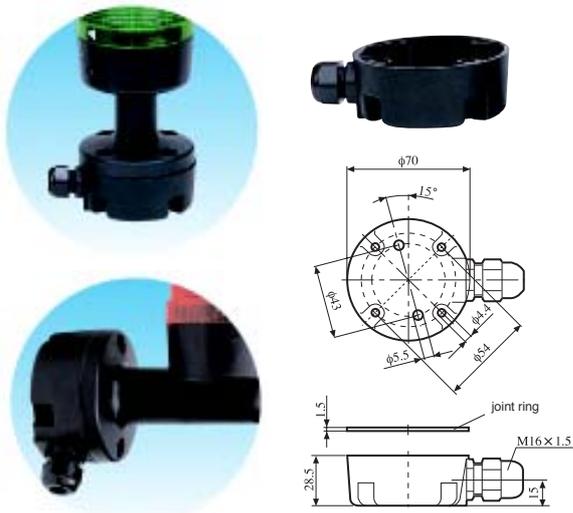
Note: the bottom of S-2 use permanent magnet material (magnet)

Note: SC-1 is collapsible

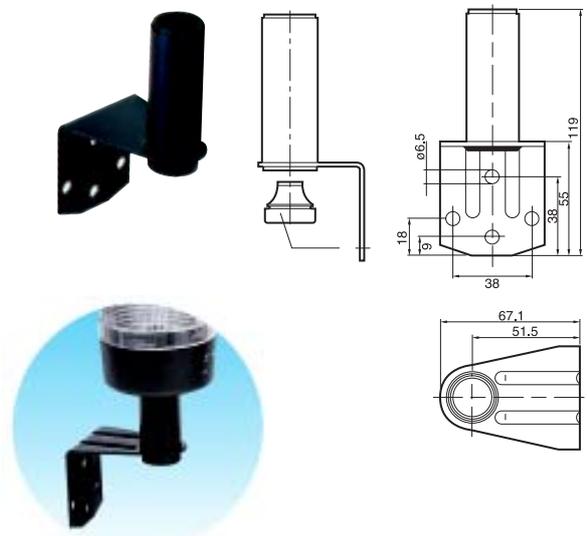
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base (out-line) C-1

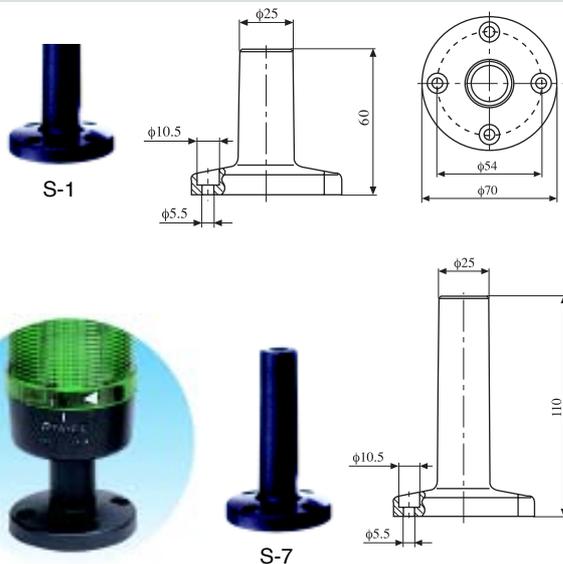
- ★ It should be used with C-3 or C-4 when sidemounting
- ★ It should be used with S-1 or S-7 when installing vertically



To Sidemount Base (out-line) C-2



To Install Base Vertically (out-line) S-1,S-7



To Install Base Vertically (out-line) S-2

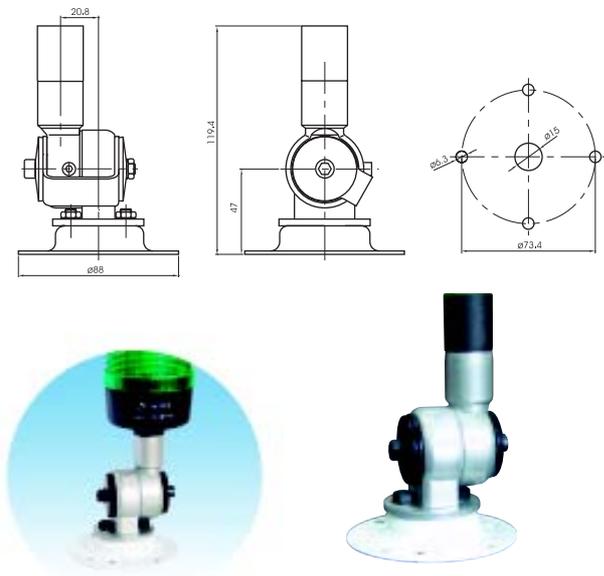
- ★ It should be used with C-3 or C-4 when sidemounting
- ★ It should be used with S-1 or S-7 when vertically mounting
- ★ There is permanent magnet material on the base (magnet steel)(for convenient carriage)



Note:Accessory should be ordered separately.

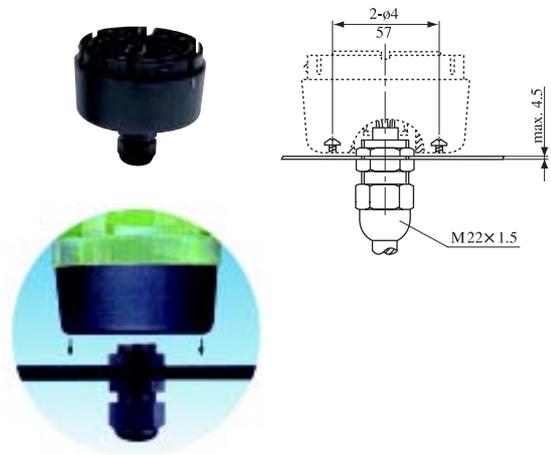
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base Collapsibly (in-line) SC-1

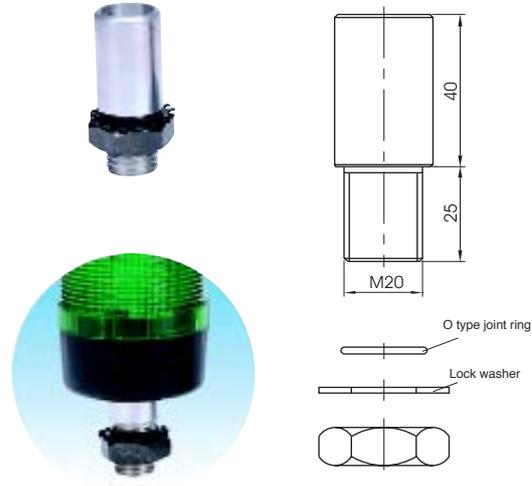


To Install Cable Joint (in-line) S-8

★ Including B04



To Install the Joint (in-line) S-6

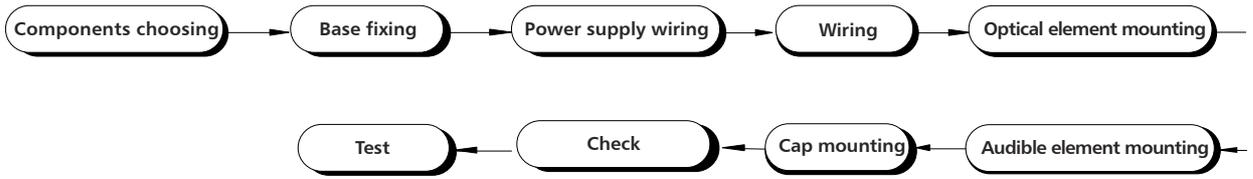


Connecting Tube

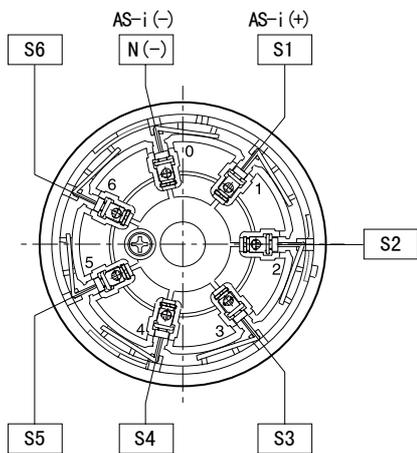
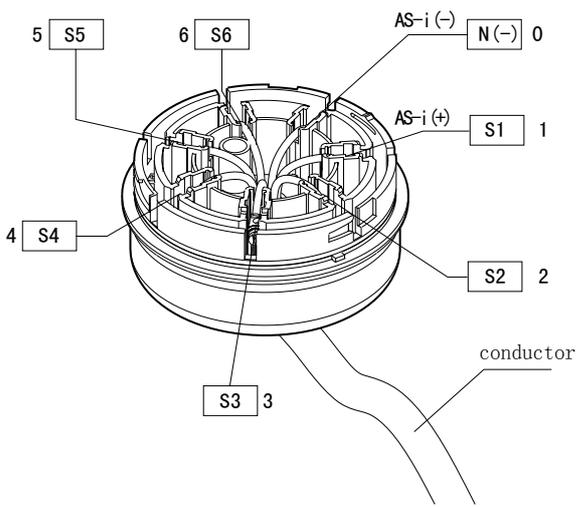
★ It should be used with S-1 or S-7

	100mm	G1
	250mm	G2
	400mm	G4
	800mm	G8

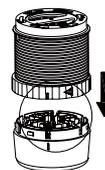
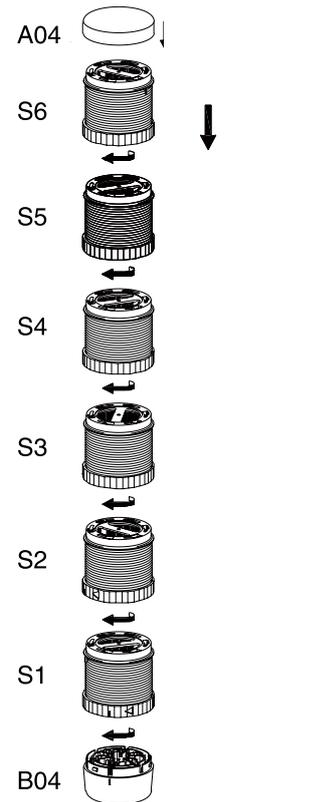
FULL INSTRUCTION OF INSTALLATION



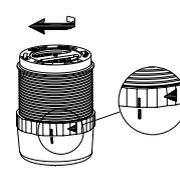
Demonstration for Conductivity Base Connection



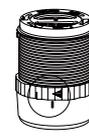
Demonstration for Installation



Step1

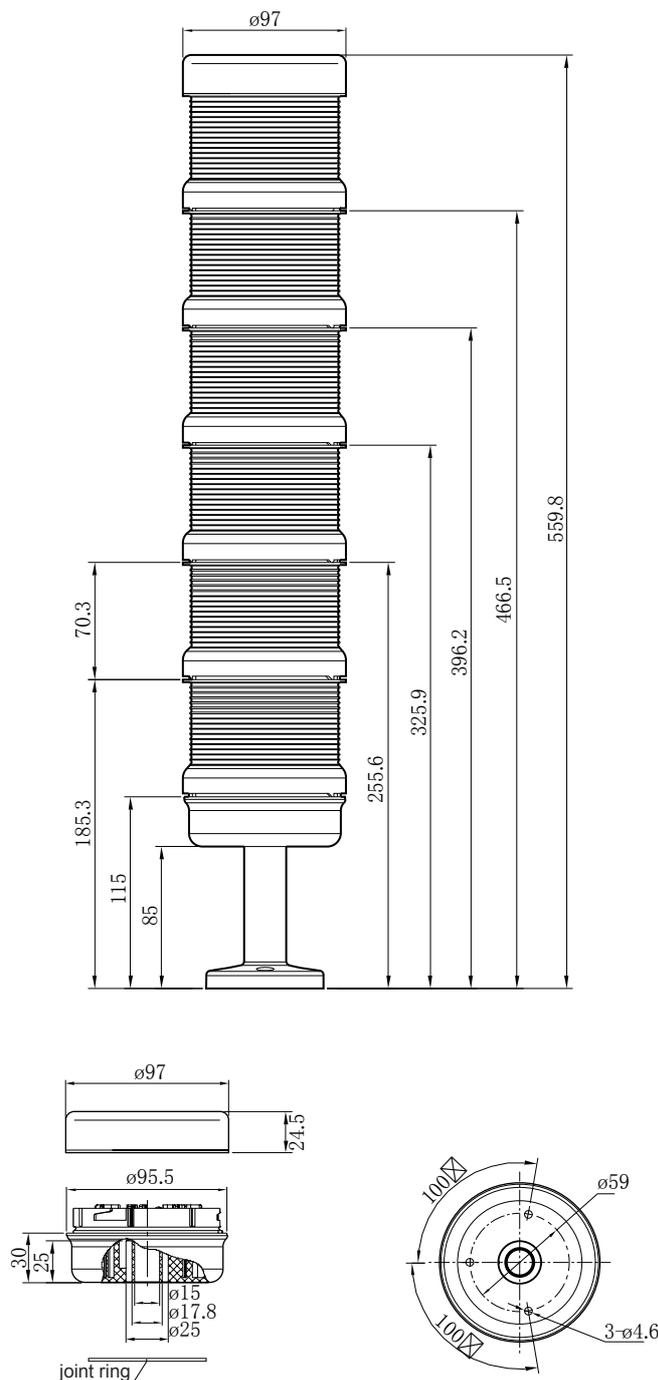


Step2



Step3

DIMENSIONAL DRAWING



Matters need attention

In order to prevent accidents such as fire, electric shock from occurring, users must pay attention on the following precautions:

Power must be cut off before installation, construction and inspection.

Naked light must not exit in the allocated range of this product. Working environmental temperature must be lower than 55c.

The cable must reach the safely-using standard.

Installation foundation and installation line must be firm and steady.

The installing, maintaining of this product must be operated by professional personnel.

The product can be installed with different parts by users of their own, but each part must be in the same voltage gradation.

Voltage of the power must accord with the stipulated voltage of the products. Please wire according to the regulation of the manual when constructing and inspecting.

In order to keep the caution light striking, please pay attention to the following several points:

The outer cover should use the soft cloth to clean frequently, in case the dust hides the light dirtily.

Avoid contacting the chemical solvent as much as possible, in case that the surface is causticized and fluffed, and influence the transmissivity.

Put to earth, in case that static damages the device.

ø90 Signal Lamp

ORDER TYPE

Single-light signal lamp

JD	90C	—	Optical source	+	Luminescence modes	+	Color	+	Voltage
	↓		↓		↓		↓		↓
	Diameter		LED		Permanent		Red		DC
	90mm		Super Bright LED		Blink		Green		24V
	single-light		Filament Lamp		Rotating flash		Yellow		AC
			Xenon lamp		Adjustable		White		220V
							Blue		

Optical-audible style signal lamp

JD	90E	—	Optical source	+	Luminescence modes	+	Sonic source	+	Sounding modes	+	Decibel	+	Color	+	Voltage
	↓		↓		↓		↓		↓		↓		↓		↓
	Diameter		LED		Permanent		Buzzer		Continuous		80dB		Red		DC
	90mm		Super Bright LED		Blink		Horn		Intermittent		100dB		Green		24V
	optical-		Filament Lamp		Rotating flash		Music		Adjustable		120dB		Yellow		AC
	audible style		Xenon lamp		Adjustable		Language						White		220V
													Blue		

PRODUCTION CODE

JD90C- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent Blink	01 02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

TAYE

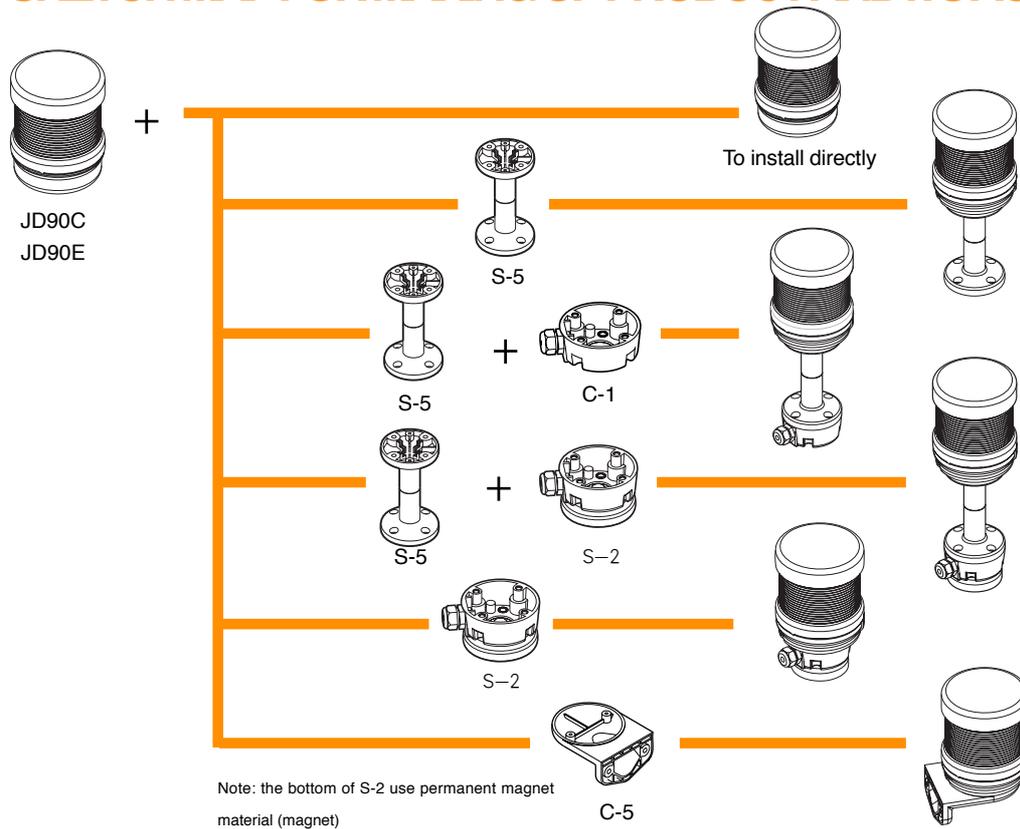
PRODUCTION CODE

JD90E- order type1+ order type2+ order type3+ order type4+ order type5+ order type6+ order type7

	Optical source	Luminescence modes	Sonic source	Sounding Modes	Decibel	Color	Voltage
	Optical source order type1	modes order type2	Sonic source order type3	modes order type4	Decibel order type5	Color order type6	Voltage order type7
	LED	Permanent 01 Blink 02	Buzzer F	Continuous 01 Intermittent 02 Adjustable 03	80dB 08 100dB 10	Red R Green G Yellow Y White W Blue S	DC 24V 024 AC 220V 122
	Super Bright LED	Rotating flash 03 Adjustable 04	Language	Keep Clear - High Voltage 01 Breakdown 02 Upper Limit 03 Be careful - crash 04	100dB 10		
	Xenon lamp	Blink 02	Horn	Continuous 01			
	Filament Lamp	Permanent 01 Blink 02	Music	Audio mixing 01 Waltzes 04 For Elise 05 The sweet homes 06	100dB 10		

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage, language and music can be ordered.
 Any optical source can combine with any sonic source.

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES



INSTALLATION MODE AND INSTALLATION ACCESSORY

To Install the Base Vertically (in-line) S-5



To Install the Base Vertically (out-line) S-2

Permanent-magnet material on the base (magnet steel)
(for convenient carriage)

★ it can be used with S-5.

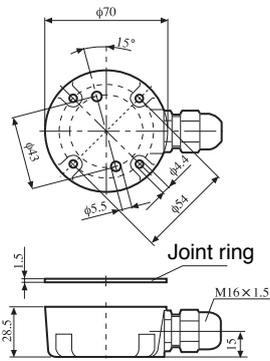


TAYE

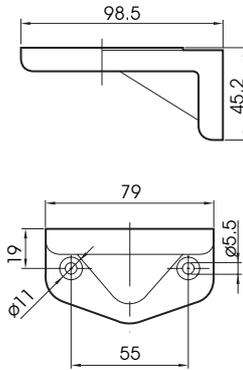
SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

To Install Base (out-line) C-1

★ It should be used with S-5 when installing vertically

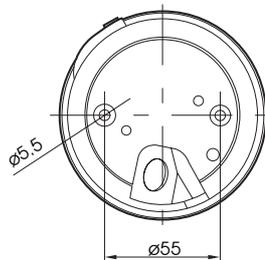


To Sidemount Base (in-line) C-5



DEMONSTRATION OF PRODUCT

To Install Directly (in-line)



Optical-Audible Style Signal Lamp

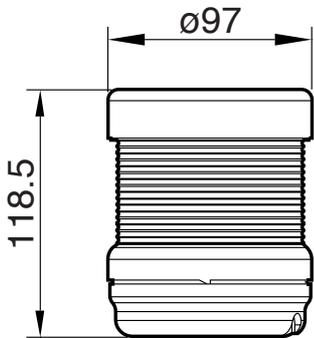


→ Gree LED Blink
80dB Intermittent buzzer AC220V
JD90E-L02F0208G122

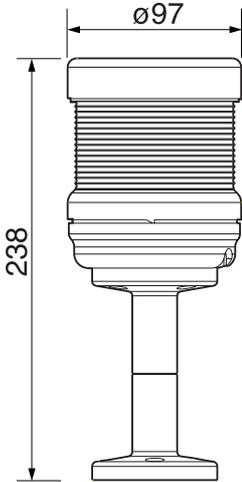
Note:Accessory should be ordered separately.

DIMENSIONAL DRAWING

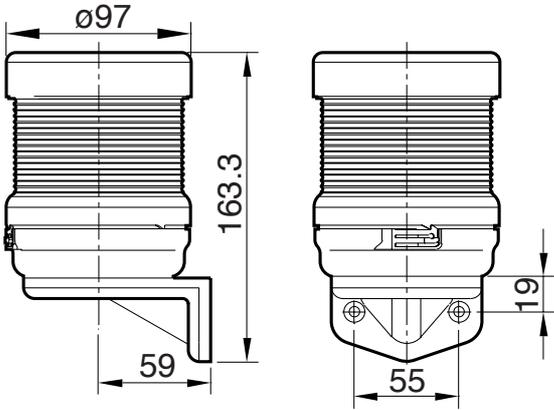
Dimensions for direct installation



Dimensions for vertical installation (matching S-5)



Dimensions for sidemount (matching C-5)



Ø150 SIGNAL LAMP



PERFORMANCE CHARACTERISTIC

There are 2 choices offered for users - Single light style JD150A and optical-audible style JD150B.

Optical source type

JD90A has offered many kinds of optical source for customers - LED, superbright LED, filament lamp, xenon lamp. Compared with common LED, the superbright LED has a 3-time luminance and its service time was prolonged greatly. It can work for 100,000 hours normally and there is no need for current maintenance. It also has more colors to choose, such as white, pure green and pure blue.

LED

4 types of luminescence
modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



SUPERBRIGHT LED

4 types of luminescence
modes
permanent
blink
rotating flash
adjustable
(between permanent and blink)



FILAMENT LAMP

1 types of luminescence
modes
permanent



XENON LAMP

only 1 luminescence
mode
blink(flash)



PERFORMANCE CHARACTERISTIC

AUDIBLE SOURCE TYPE

JD150B-series optical-audible style signal lamps, based on JD150A single-light style, combine audible system and optical system. Owning the JD150A's functions, this series can also combine 4 types of audible source types to meet needs under different circumstances. JD150B audible system is divided into 3 types by decibel:80,100,120.



Buzzer

2 sounding modes
Continuous
Intermittent

HORN

Only 1 sounding mode
Continuous
120dB

MUSIC

4 music modes
Electronic-mix
Waltz
For Alice
The sweet homes
*Individualization music can be ordered

LANGUAGE

4 language modes
Keep Clear - High Voltage
Breakdown
Upper Limit
Be careful - crash
* Individualized language can be ordered

Adjustable

Five sounds can be chosen from
buzzer,horn,music and language.
(Chooosed by coding switch)

TAYE

TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
Filament Lamp maximum current	0.75A/18W	0.08A/18W
LED maximum current	0.13A/3.12W	0.07A/2.52W
Buzzer maximum current	0.12A/4.3W	0.12A/4.3W
Xenon lamp maximum current	0.15A/3.6W	0.06A/13W
Horn maximum current	0.25A/6W	0.12A/4.3W

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Inatallation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%

ORDER TYPE

Single-light signal lamp

JD 150A	—	Light source	+ Luminescence modes	+ Color	+	Voltage
↓		↓	↓	↓		↓
Diameter		LED	Permanent	Red		DC
90mm		Super Bright LED	Blink	Green		24V
single-light		Filament Lamp	Rotating flash	Yellow		AC
		Xenon lamp	Adjustable	White		220V
				Blue		

Optical-audible style signal lamp

JD 150B	—	Light source	+ Luminescence modes	+ Sonic source	+ Sounding Modes	+ Decibel	+ Color	+ Voltage
↓		↓	↓	↓	↓	↓	↓	↓
Diameter		LED	Permanent	Buzzer	Continuous	80dB	Red	DC
90mm		Super Bright LED	Blink	Horn	Intermittent	100dB	Green	24V
optical-		Filament Lamp	Rotating flash	Music		120dB	Yellow	AC
audible style		Xenon lamp	Adjustable	Language			White	220V
							Blue	

TAYE

PRODUCTION CODE

JD150A- order type1+ order type2+ order type3+ order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	Super Bright LED	H	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	AC 220V	122
	Xenon lamp	S	Blink	02	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122
	Filament Lamp	X	Permanent	01	Red Green Yellow White Blue	R G Y W S	DC 24V AC 220V	024 122

PRODUCTION CODE

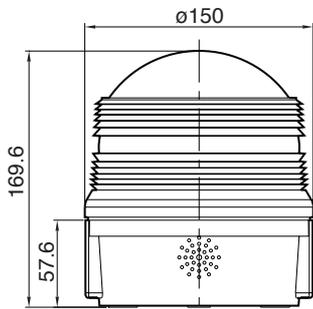
JD150B- order type1+ order type2+ order type3+ order type4+ order type5+ order type6+ order type7

	Optical source	Luminescence modes	Sonic source	Sounding Modes	Decibel	Color	Voltage
	Optical source order type1	modes order type2	Sonic source order type3	modes order type4	Decibel order type5	Color order type6	Voltage order type7
	LED L	Permanent 01 Blink 02	Buzzer F	Continuous 01 Intermittent 02	80dB 08 100dB 10	Red R Green G Yellow Y White W Blue S	DC 24V 024 AC 220V 122
	Super Bright LED H	Rotating flash 03 Adjustable 04	Language V	Keep Clear - High Voltage 01 Breakdown 02 Upper Limit 03 Be careful - crash 04	100dB 10		
	Xenon lamp S	Blink 02	Horn P	Continuous 01	120dB 12		
	Filament Lamp X	Permanent 01	Music M	Audio mixing 01 Waltzes 04 For Elise 05 The sweet homes 06	100dB 10		
			Adjustable T	Five sounds can be chosen from buzzer, horn, music and language 01	100dB 10		

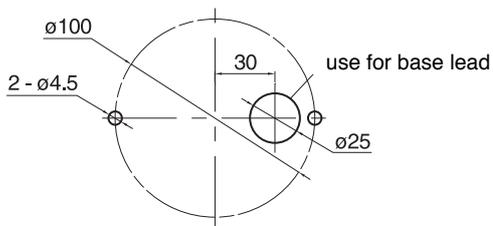
Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage, language and music can be ordered.
Any optical source can combine with any sonic source.

DIMENSIONAL DRAWING

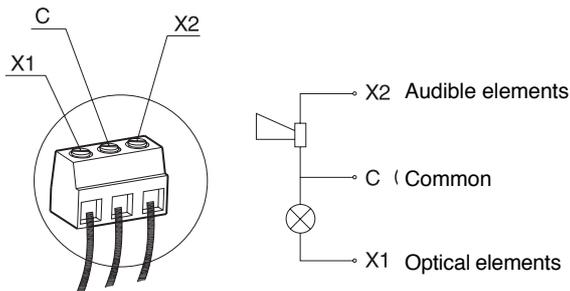
Appearance dimension



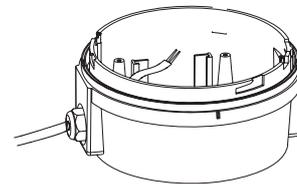
Dimension drawing for mounting hole



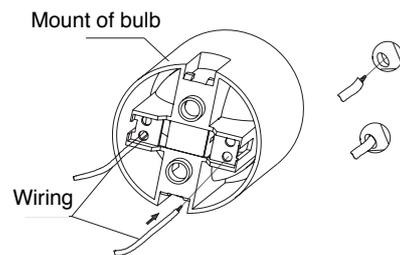
Demonstration for connection (optical-audible style)



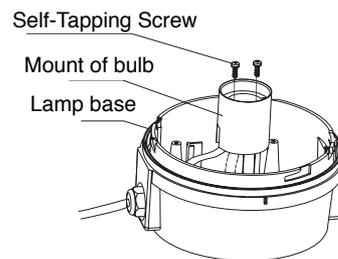
Demonstration for connection (Filament Lamp)



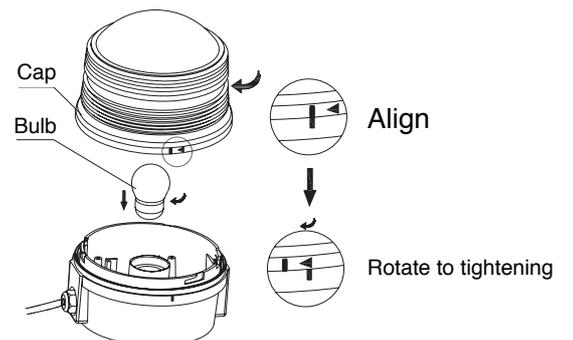
Step 1: Make the wiring through the Cable joint



Step 2: Insert two poles of wiring to the connection hole of the mount as shown in picture. Do not connect adjacent holes.



Step 3: Fix the mount of bulb



Step 4: Rotate to fix bulb in the mount, then tighten cap

Ø36mm Integrative Signal tower

PRODUCT CODE FOR SINGLE LAYER SIGNAL TOWER

JD36E1-Order type1+Order type2+Order type3+Order type4

	Optical source type		Luminescence modes		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent	01	Red	R	DC 24V	024
Blink*			02	Green	G			
Rotating flash*			03	Yellow	Y			
				White	W			
					Blue	S		
	Super Bright LED	H	Permanent	01	Red	R	AC 220V	122
Blink*			02	Green	G			
Rotating flash*			03	Yellow	Y			
				White	W			
					Blue	S		

Remark: DC are suitable for AC (the two are universal).Special voltage can be ordered. The color are arranged from the bottom up.

PRODUCT CODE FOR DOUBLE- LAYER SIGNAL TOWER

JD36E2-Order type1+Order type2+Order type3+Order type4+Order type5

	Optical source type		Luminescence modes		Color		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Color	Order type3	Voltage	Order type4
	LED	L	Permanent	01	Red	R	Red	R	DC 24V	024
Blink*			02	Green	G	Green	G			
Rotating flash*			03	Yellow	Y	Yellow	Y			
				White	W	White	W			
					Blue	S	Blue	S		
	Super Bright LED	H	Permanent	01	Red	R	Red	R	AC 220V	122
Blink*			02	Green	G	Green	G			
Rotating flash*			03	Yellow	Y	Yellow	Y			
				White	W	White	W			
					Blue	S	Blue	S		

Remark: DC are suitable for AC (the two are universal).Special voltage can be ordered. The color are arranged from the bottom up.

The product with the mark of "*" can not be provided for the moment

TAYE

PRODUCT CODE FOR THREE-LAYER SIGNAL

JD36E3-Order type1+Order type2+Order type3+Order type4+Order type5+Order type6

	Optical source type		Luminescence modes		Color		Color		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Color	Order type4	Color	Order type5	Voltage	Order type6
	LED	L	Permanent	01	Red	R	Red	R	Red	R	DC 24V	024
			Blink	02	Green	G	Green	G	Green	G		
			Rotating flash	03	Yellow	Y	Yellow	Y	Yellow	Y		
					White	W	White	W	White	W		
			Blue	S	Blue	S	Blue	S	Blue	S		
	Super Bright LED	H	Permanent	01	Red	R	Red	R	Red	R	AC 220V	122
			Blink	02	Green	G	Green	G	Green	G		
			Rotating flash	03	Yellow	Y	Yellow	Y	Yellow	Y		
					White	W	White	W	White	W		
			Blue	S	Blue	S	Blue	S	Blue	S		

Remark: DC are suitable for AC (the two are universal).Special voltage can be ordered. The color are arranged from the bottom up. The product with the mark of "*" can not be provided for the moment

PRODUCT CODE FOR SIGNAL TOWER WITH SINGLE BUZZER

JD36F1-Order type1+Order type2+Order type3+Order type4+Order type5

	Sonic source type	Sound mode	Decibel	Color	Voltage
	Order type1	Order type2	Order type3	Order type4	Order type5
	Buzzer F	Continuous 01	100dB	Black B	DC 24V 024
		Intermittent 02			AC 220V 122

Remark: DC are suitable for AC (the two are universal).Special voltage can be ordered.

PRODUCT CODE FOR SINGLE LAYER SIGNAL TOWER+SINGLE BUZZER

JD36F2-Order type1+Order type2+Order type3+Order type4+Order type5+Order type6+Order type7+Order type8

	Optical source type	Luminescence modes	Color	Sonic source	Sound mode	Decibel	Color	Voltage graduation
	Order type1	Order type2	Order type3	Order type4	Order type5	Order type6	Order type7	Order type8
	LED L	Permanent 01 Blink' 02 Rotating flash' 03	Red R	Buzzer F	Continuous 01 Intermittent 02	100dB 10	Black B	DC 24V 024 AC 220V 122
	Super Bright LED H		Green G Yellow Y White W Blue S					

Remark: DC are suitable for AC (the two are universal);Special voltage can be ordered.;The color are arranged from the bottom up; the buzzer should located on the top layer; The product with the mark of "*" can not be provided for the moment

PRODUCT CODE FOR DOUBLE-LAYER SIGNAL TOWER+SINGLE BUZZER

JD36F3-Order type1+Order type2+Order type3+Order type4+Order type5+Order type6+Order type7+Order type8+Order type9

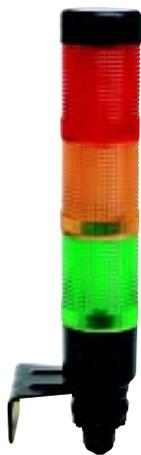
	Optical source type	Luminescence modes	Color	Color	Audible source	Sound mode	Decibel	Color	Voltage graduation
	Order type1	Order type2	Order type3	Order type4	Order type5	Order type6	Order type7	Order type8	Order type9
	LED L	Permanent 01 Blink' 02 Rotating flash' 03	Red R	Red R	Buzzer F	Continuous 01 Intermittent 02	100dB 10	Black B	DC 24V 024 AC 220V 122
	Super Bright LED H		Green G Yellow Y White W Blue S	Green G Yellow Y White W Blue S					

Remark: DC are suitable for AC (the two are universal);Special voltage can be ordered.;The color are arranged from the bottom up; the buzzer should located on the top layer; The product with the mark of "*" can not be provided for the moment

TAYE

PRODUCTION TYPE

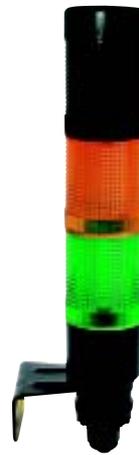
Three-layer Signal tower



→ Green+Yellow+Red
LED permanent DC24V
JD36E3-L01GYR024

→ Sidemount base
C-6

Double-layer Signal tower + single buzzer

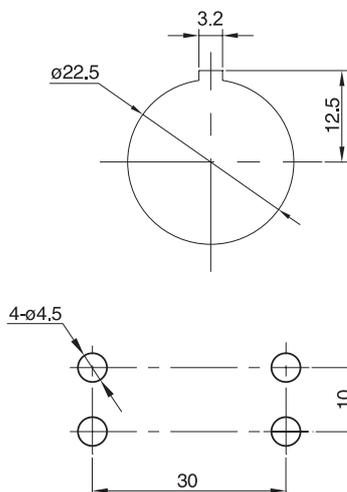


→ Green+Yellow+Buzzer
LED permanent DC24V
JD36F3-L01GYF0110B024

→ Sidemount base
C-6

Dimension drawing

Dimension drawing for mounting hole

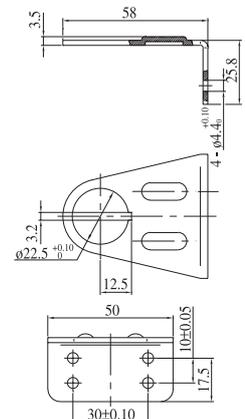


→ To install
base vertically

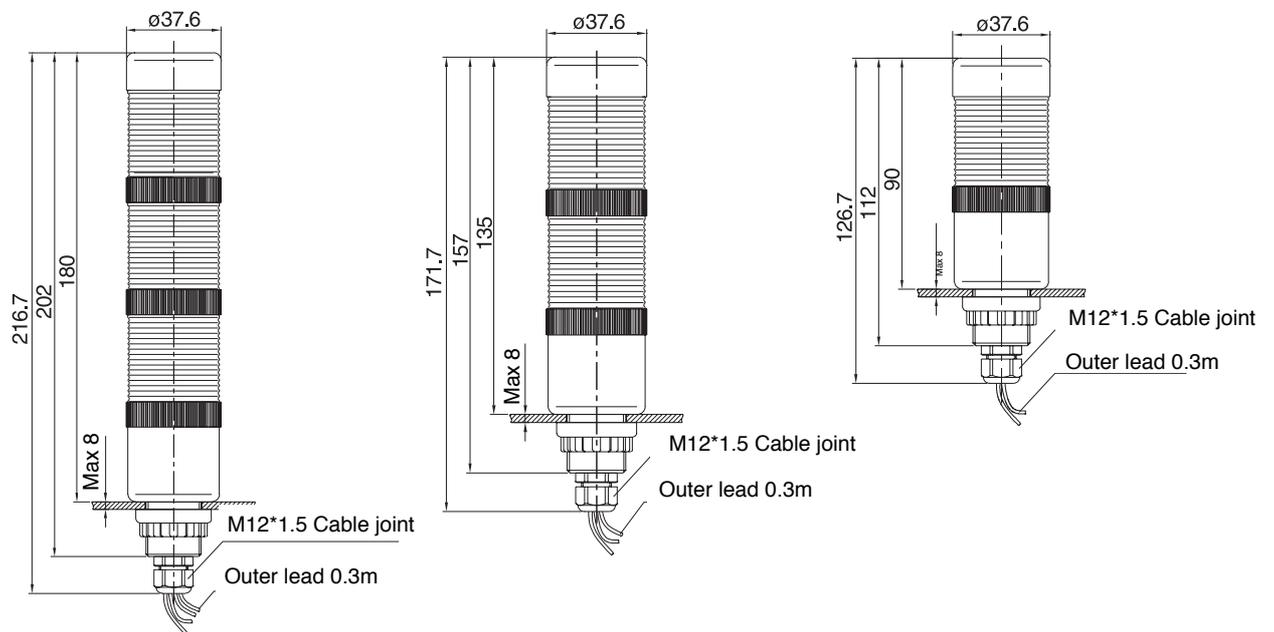
→ To sidemount base

Accessory

Sidemount base C-9



Appearance dimension



Connecting Instruction

The black wire is common, when connecting black wire with red wire, the red light is on; when connecting black wire with green wire, the green light is on; when connecting black wire with yellow wire, the yellow light is on; when connecting black wire with white wire, the white light is on; when connecting black wire with blue wire, the blue light is on; when connecting black wire with black wire, the buzzer sound

∅50mm Integrative Signal tower

Product code for Single layer Signal tower

JD50E1-Order type1+Order type2+Order type3+Order type4

	Optical source type		Luminescence modes		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink*	01 02	Red	R	DC 24V	024
					Green	G		
					Yellow	Y		
					White	W		
					Blue	S		
	Super Bright LED	H	Permanent Blink*	01 02	Red	R	AC 220V	122
					Green	G		
					Yellow	Y		
					White	W		
					Blue	S		

Remark: DC are suitable for AC (the two are universal). Special voltage can be ordered. The color are arranged from the bottom up. The product with the mark of "*" can not be provided for the moment

Product code for Double-layer Signal tower

JD36E2-Order type1+Order type2+Order type3+Order type4+Order type5

	Optical source type		Luminescence modes		Color		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Color	Order type4	Voltage	Order type5
	LED	L	Permanent Blink*	01 02	Red	R	Red	R	DC 24V	024
					Green	G	Green	G		
					Yellow	Y	Yellow	Y		
					White	W	White	W		
					Blue	S	Blue	S		
	Super Bright LED	H	Permanent Blink*	01 02	Red	R	Red	R	AC 220V	122
					Green	G	Green	G		
					Yellow	Y	Yellow	Y		
					White	W	White	W		
					Blue	S	Blue	S		

Remark: DC are suitable for AC (the two are universal). Special voltage can be ordered. The color are arranged from the bottom up. The product with the mark of "*" can not be provided for the moment

Product code for Three-layer Signal tower

JD50E3-Order type1+Order type2+Order type3+Order type4+Order type5+Order type6

	Optical source type		Luminescence modes		Color		Color		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Color	Order type4	Color	Order type5	Voltage	Order type6
	LED	L	Permanent Blink	01 02	Red	R	Red	R	Red	R	DC 24V	024
Green					G	Green	G	Green	G			
Yellow					Y	Yellow	Y	Yellow	Y			
White					W	White	W	White	W			
Blue					S	Blue	S	Blue	S			
	Super Bright LED	H	Permanent Blink	01 02	Red	R	Red	R	Red	R	AC 220V	122
Green					G	Green	G	Green	G			
Yellow					Y	Yellow	Y	Yellow	Y			
White					W	White	W	White	W			
Blue					S	Blue	S	Blue	S			

Remark: DC are suitable for AC (the two are universal).Special voltage can be ordered. The color are arranged from the bottom up.
The product with the mark of "*" can not be provided for the moment

Production type

Three-layer Signal tower



→ Red+Green+Yellow
LED permanent DC24V
JD50E3-L01RGY024

→ To install base vertically
S-10

Three-layer Signal tower

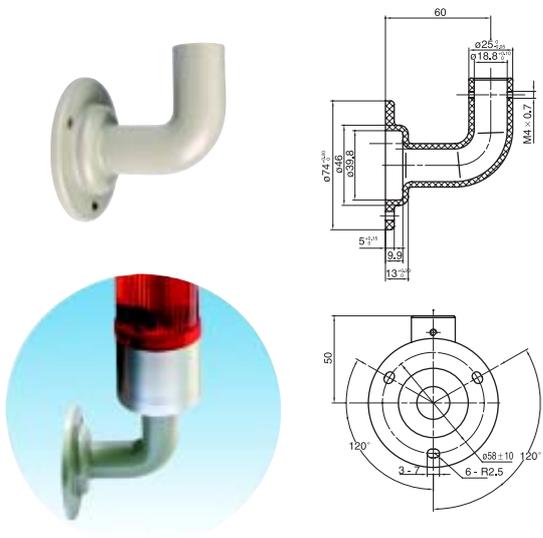


→ Red+Green+Yellow
LED permanent DC24V
JD50E3-L01RGY024

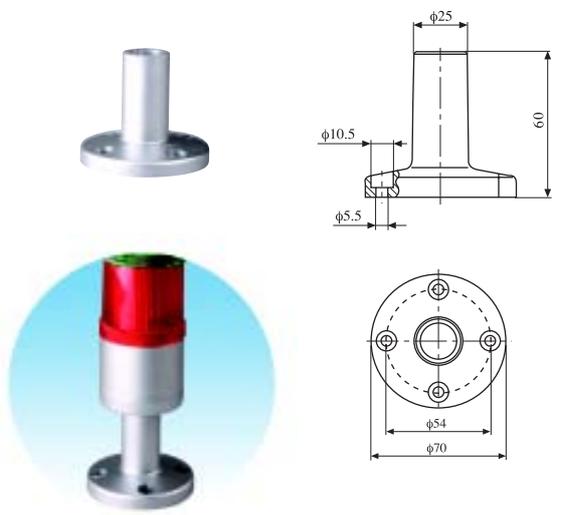
→ To sidemount base
C-7

Accessory

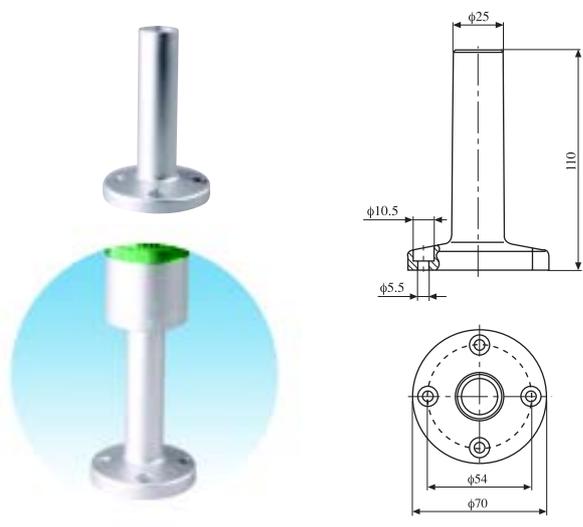
To sidemount base C-7



To install base vertically S-10

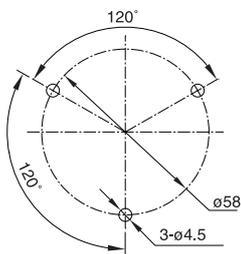


To install base vertically S-11

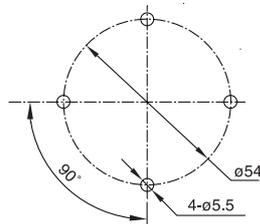


Dimension drawing

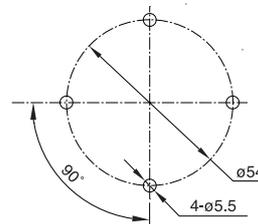
Dimension drawing for mounting hole



C-7

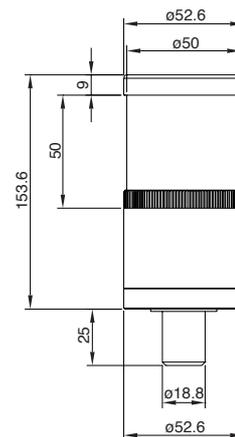
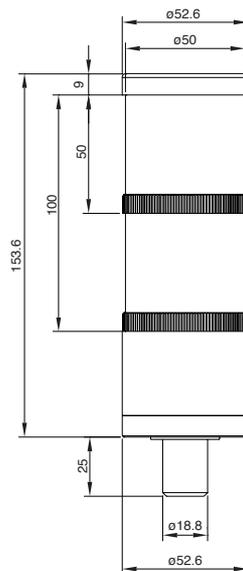
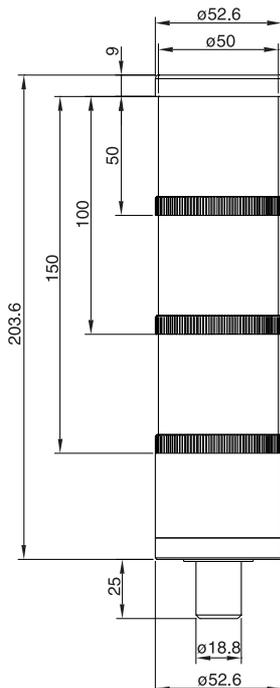


S-10



S-11

Appearance dimension



Connecting Instruction

The balck wire is common, when connecting balck wire with red wire, the red light is on; when connecting black wire with green wire, the green light is on; when connecting black wire with yellow wire, the yellow light is on; when conncting black wire with white wire, the white light is on; when connecting black wire with blue wire, the blue light is on

JD150P Polyphony Annunciator



PERFORMANCE CHARACTERISTIC

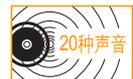
There are 3 choices offered for users – optical elements, audible elements and optical-audible style polyphony annunciator.

Optical elements characteristic

JD150P polyphony annunciator has many kinds of optical source - LED, superbright LED, xenon lamp. The color is red and yellow. luminescence modes is blink and adjustable. (Users can adjust luminescence modes by coding switch. Details refer to page 106.)

Audible elements characteristic

JD150P polyphony annunciator audible element is a cube of 150 mm. There is two color of audible element—white and gray. Decibel of the audible element is 120. There are 20 sound and music can be chosen.



ORDER TYPE

Polyphony annunciator optical elements

JD 150PA	—	Light source	+ Luminescence modes	+ Color	+	Voltage
↓		↓	↓	↓		↓
Light element		LED	Adjustable	Red		DC
		Super Bright LED	Blink	Yellow		24V
		Xenon Lamp				AC
						220V

ORDER TYPE

Polyphony annunciator audible elements

JD 150PC	—	Sounding Modes	+	Decibel	+	Color	+	Voltage
↓		↓		↓		↓		↓
Audible elements		Adjustable (20 sound)		120dB		White Gray		DC 24V AC 220V

Optical-audible style polyphony annunciator

JD 150PB	—	Light source	+	luminescence form	+	Color	+	Sounding Modes	+	Decibel	+	Color	+	Voltage
↓		↓		↓		↓		↓		↓		↓		↓
Optical-audible style		LED Super Bright LED Xenon Lamp		Adjustable Blink		Red Yellow		Adjustable (20 sound)		120dB		White Gray		DC 24V AC 220V

TAYE

TECHNICAL PARAMETER

Guideline of Current

Type	12V	24V	220V
Light element	60mA	60mA	-
Audible elements	140mA	250mA	37mA
Optical-audible style	180mA	300mA	40mA
Decibel	113dB	120dB	115dB

Remark: Single light element has not 220V type.

Working Environment

Environmental Temperature	-25℃ ~ +55℃
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Protection	IP 65
Inatallation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%

Production code

JD150PA-Order type1+Order type2+Order type3+Order type4

	Optical source type		Luminescence modes		Color		Voltage graduation	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Adjustable Blink	02	Red Yellow	R Y	DC 24V	024
	Super Bright LED	H		04				
	Xenon Lamp*	S	Blink	02	Red Yellow	R Y		

The productions are set at the factory to blink 1T/0.28S TH=TL=1/2T

JD150PC-Order type1+Order type2+Order type3+Order type4

	Sound mode		Decibel		Color		Voltage	
	Sound mode	Order type1	Decibel	Order type2	Color	Order type3	Voltage	Order type4
	Adjustable T	01	120	12	White Gray	W A	DC 24V	024
							AC 220V	122

The productions are set at the factory to E key(exigency frequency modulation key1)

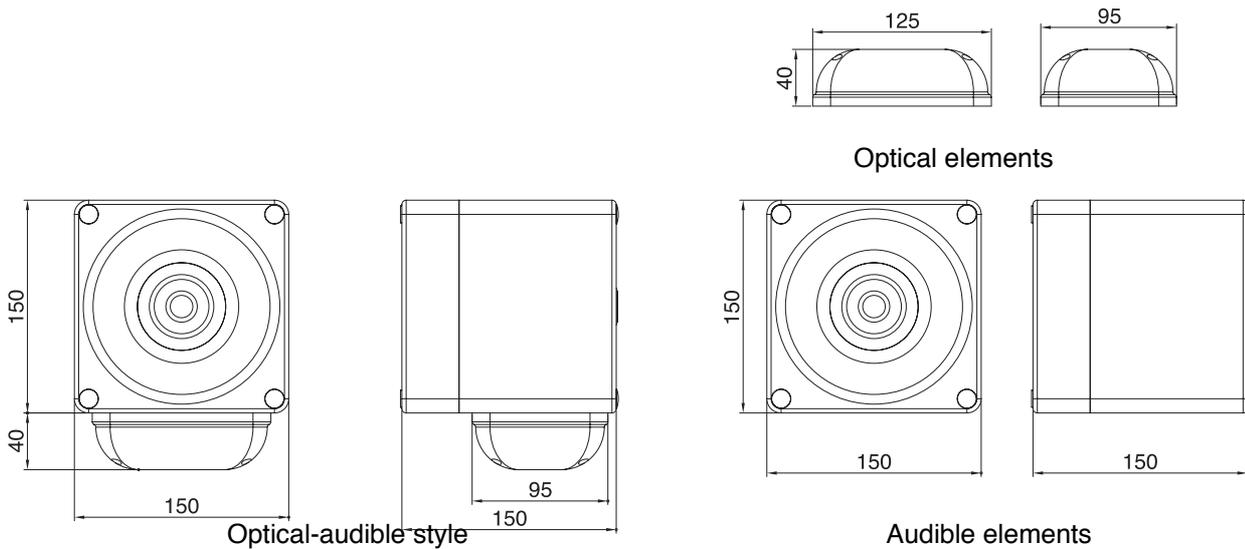
JD150PB-Order type1+Order type2+Order type3+Order type4+Order type5+Order type6+Order type7

	Optical source type		Luminescence modes		Color of optical elements		Sound mode		Decibel		Color of audible elements		Voltage	
	Order type1	Order type2	Order type2	Order type2	Order type3	Order type3	Order type4	Order type4	Order type5	Order type5	Order type6	Order type6	Order type7	Order type7
	LED	L	Adjustable Blink	02	Red Yellow	R Y	Adjustable T	01	120	12	White Gray	W A	DC 24V	024
	Super Bright LED	H		04									AC 220V	
	Xenon Lamp*	S	Blink	02	Red Yellow	R Y								

Remark: The product with the mark of "*" can not be provided for the moment

The productions are set at the factory to blink 1T/0.28S TH=TL=1/2T,E key (exigency frequency modulation key1)

Drawing of appearance dimension



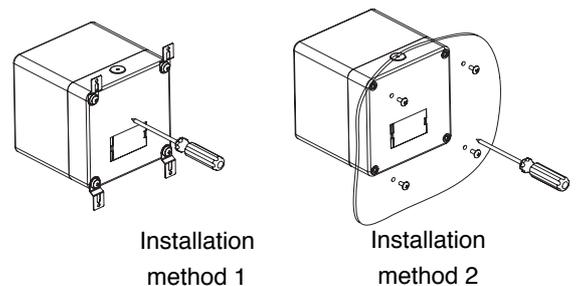
Installation Instruction

You should open holes on the panels or walls according to the dimensional drawing. (The advised aperture of panel openings is $\varnothing 5.2$; center distance is 130x130). There are two methods to install the production.

1. Using 4 ST4.8x12 Self-Tapping Screws drill through the rear cover and fix the production on the panel.(standard)
2. Using 4 hooks to install the production indirectly. (Accessory should be ordered separately.)

Standard outgoing line has waterproof latex cover(cable joint should be ordered separately), the method of connection see connection drawing.

Remark:The upper cap and bottom cap can adjust to 90° , 180° , 270° , by yourself to make the outgoing line in different azimuth. (If you want to install the optical elements in high place, you should install it downwards).

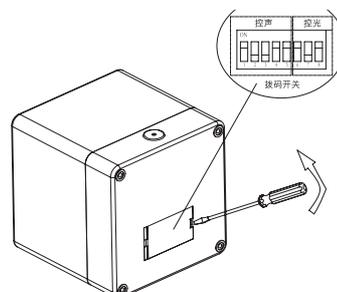


Matters need attention

- 1.The production is divided into AC220V and DC24V. Please pay attention to it when connecting.
- 2.The measuration distance of sound degree is 1 m, the result of measuration is 110dB to 120dB. Keep away from ear when measuring.
- 3.The optical element productions are set at the factory to blink 1T/0.28S TH=TL=1/2T,the audible element productions are set at the factory to E key(exigency frequency modulation key),and the optical-audible style productions are set at the factory to blink 1T/0.28S TH=TL=1/2T,E key(exigency frequency modulation key1).

Introduction for coding

Remove the little window on the rear cover by flathead screwdriver, then a set of 8 positions coding switch can be seen. There are 20 kinds of tones and music can be adjusted by 5 positions of sound control coding switch, and 7 kinds of luminescence modes can be adjusted by 3 positions of light control coding switch.



Attached list

luminescence modes coding table

No.	luminescence modes	1	2	3	4	5	6	7	8
1	Blink 1T/0.28S $T_H=T_L=1/2T$	-	-	-	-	-	0	0	0
2	Blink 1T/0.28S $T_H=T_L=1/2T$	-	-	-	-	-	0	0	1
3	Blink 1T/0.28S $T_H=0.1S$ $T_L=0.18S$	-	-	-	-	-	0	1	0
4	Blink 1T/0.28S $T_H=0.05S$ $T_L=0.23S$	-	-	-	-	-	0	1	1
5	Blink 1T/1.16S $T_H=T_L=1/2T$	-	-	-	-	-	1	0	0
6	Blink 1T/1.16S $T_H=T_L=1/2T$	-	-	-	-	-	1	0	1
7	Permanent	-	-	-	-	-	1	1	0
8	Put out	-	-	-	-	-	1	1	1

Sounding modes coding table

No.	Tone code	sounding modes	1	2	3	4	5	6	7	8
9	A key	long ringing buzzer	0	0	0	0	0	-	-	-
10	B key	interrup tringing buzzer 1	1	0	0	0	0	-	-	-
11	C key	interrup tringing buzzer 2	0	1	0	0	0	-	-	-
12	D key	two-tone conversion key 1	1	1	0	0	0	-	-	-
13	E key	exigency frequency modulation key1	0	0	1	0	0	-	-	-
14	F key	slow rate frequency modulation key1	1	0	1	0	0	-	-	-
15	G key	exigency frequency modulation key2	0	1	1	0	0	-	-	-
16	H key	single-tone long-short broken key 1	1	1	1	0	0	-	-	-
17	I key	slow rate two-tone key 1	0	0	0	1	0	-	-	-
18	J key	two-tone conversion key 2	0	0	0	1	0	-	-	-
19	K key	slow rate frequency modulation key 2	0	1	0	1	0	-	-	-
20	L key	slow rate two-tone key 2	1	1	0	1	0	-	-	-
21	M key	slow rate two-tone key 3	0	0	1	1	0	-	-	-
22	N key	slow rate frequency modulation key 3	1	0	1	1	0	-	-	-
23	O key	slow rate frequency modulation key 4	0	1	1	1	0	-	-	-
24	P key	single-tone long-short broken key 2	1	1	1	1	0	-	-	-
25	music1	waltz	0	0	0	0	1	-	-	-
26	music2	To Elise	1	0	0	0	1	-	-	-
27	music3	The sweet homes	0	1	0	0	1	-	-	-
28	music4	Butterfly Lovers	1	1	0	0	1	-	-	-
29	silence	silence	1	1	1	1	1	-	-	-

Remark: Dial the Coding switch to 0 is on, 1 is off.

JD110P Polyphony Annunciator

PERFORMANCE CHARACTERISTIC

JD150P polyphony annunciator audible element is a cube of 110 mm, There is two color of audible element—white and gray. Decibel of the audible element is 100. There are 20 sound and music can be chosen.



TECHNICAL PARAMETER

Guideline of Current

Type	12V	24V	220V
polyphony annunciator	0.17A	0.28A	0.013A
Decibel	100dB	103dB	106dB

Working Environment

Environment Temperature	-25°C ~+55°C
Degree of Pollution	Class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Pollution	≤ IP 65
Installation Type	III
Altitude	≤2000m
Relative Moisture of Air	≤98%

ORDER TYPE

Polyphony annunciator audible elements

JD	110P	—	Sounding Modes ₊	+	Decibel	+	Color	+	voltage
	↓		↓		↓		↓		↓
Audible elements			Adjustable (20 sound)		100dB		White Gray		DC 24V AC 220V

Production code

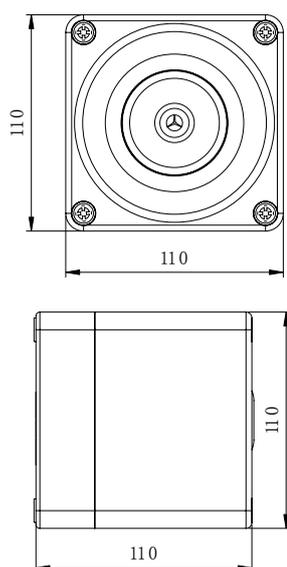
JD150PA-Order type1+Order type2+Order type3+Order type4

	Sound mode		Decibel		Color		Voltage	
	Mode	Order type 1	Decibel	Order type2	Color	Order type3	Voltage	Order type4
	T	01	100	10	White Gray	W A	DC 24V AC 220V	024 122

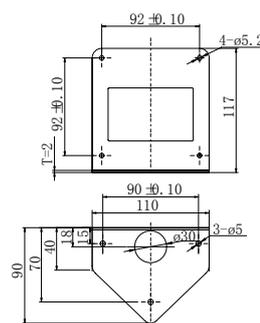
The productions are set at the factory to E key(exigency frequency modulation key1)

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

Drawing of appearance dimension



Horizontal installation base



accessories behind

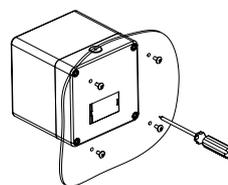


accessories front

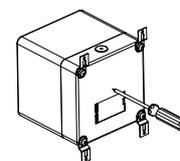
Assembly Instructions

Follow the installation dimension to open mounting hole on the Panel or wall openings(recommend mounting hole diameter $\phi 5.2$, center distance 92×92), two methods of installation:

1. Using 4 ST4.8x12 Self-Tapping Screws drill through the rear cover and fix the production on the panel.(standard)
2. Using 4 hooks to install the production indirectly. (Accessory should be ordered separately.)
3. Standard outgoing line has waterproof latex cover(cable joint should be ordered separately), the method of connection see connection drawing.



Installation method 1



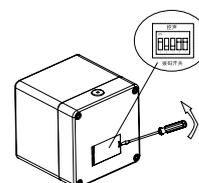
Installation method 2

Matters need attention

1. The production is divided into AC220V and DC24V. Please pay attention to it when connecting.
2. The measurement distance of sound degree is 1 m, the result of measurement is 100dB to 110dB. Keep away from ear when measuring
3. JD Series can be installed on the top of products, 20/M16 cable connector can be mounted on the bottom

Introduction for coding

Remove the little window on the rear cover a set of 5 positions coding switch can be seen. There are 20 kinds of tones and music can be adjusted. Refer to the P105.



JD90F Square Signal Tower

PERFORMANCE CHARACTERISTIC

JD90F - type combined warning light with consistent high quality of the plaza lights, and steady generous With high brightness, sound audio and other features. There are several forms of light for choice, and by drawing code combination of acoustic components, you can implement different voice conversion, a total of 2 adjustable 0 voices, address customers' diverse needs.



TECHNICAL PARAMETER

Guideline of Current

Type	24V	220V
LED light source maximum current	0.1A/2.4W	0.01A/2.2W
polHorn maximum currentyphony annunciator	0.125A/3W	0.009A/2W
Decibel	90dB	90dB

Working Environment

Environment Temperature	-25°C~+55°C
Degree of Pollution	class 3
Antivibration	10-2000Hz, 1mm, 15g
Degree of Pollution	IP54
Inatallation Type	III
Altitude	≤ 2000m
Relative Mositure of Air	≤ 98%

TAYE

ORDER TYPE

Single-light signal lamp

JD	90F	—	Optical source	+ Luminescence modes	+ Color	+ Voltage
	↓		↓	↓	↓	↓
	□ 90mm Square single-light		LED L Super Bright LED H	Permanent 01 Blink 02 Rotating flash 03 Adjustable 04	Red R Green G Yellow Y White W Blue S	DC 24V AC 220V

Diameter Voice element

JD	90F (B)	—	Sounding modes	+ Decibel	+ Voltage
	↓		↓	↓	↓
	□ 90mm diameter Voice element		Adjustable (20types)	90dB	DC 24V AC 220V

Note: JD90F Square warning light can be control saperate, maximum five layers.
(does not include the acoustic component level)

PRODUCTION CODE

JD90F- order type1 + order type2 + order type3 + order type4

	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01	Red Green Yellow White Blue	R	DC 24V	024
				02		G		
				03		Y		
				04		W		
	SuperBright LED	H	Permanent Blink Rotating flash Adjustable	04	Red Green Yellow White Blue	R	AC 220V	122
						G		
						Y		
						W		
						S		

JD90F- order type1 + order type2 + order type3 + order type4

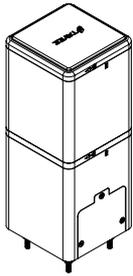
	Sounding modes		Decibel		Color		Voltage	
	Modes	Order type1	Decibel	Order type2	Color	Order type3	Voltage	Order type4
	Adjustable	01	90dB	09	Grey	A	DC 24V	024
							AC 220V	122

	Name	Type
	Decorate cap	A05
	Connection foundation	B06

Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

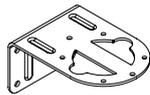
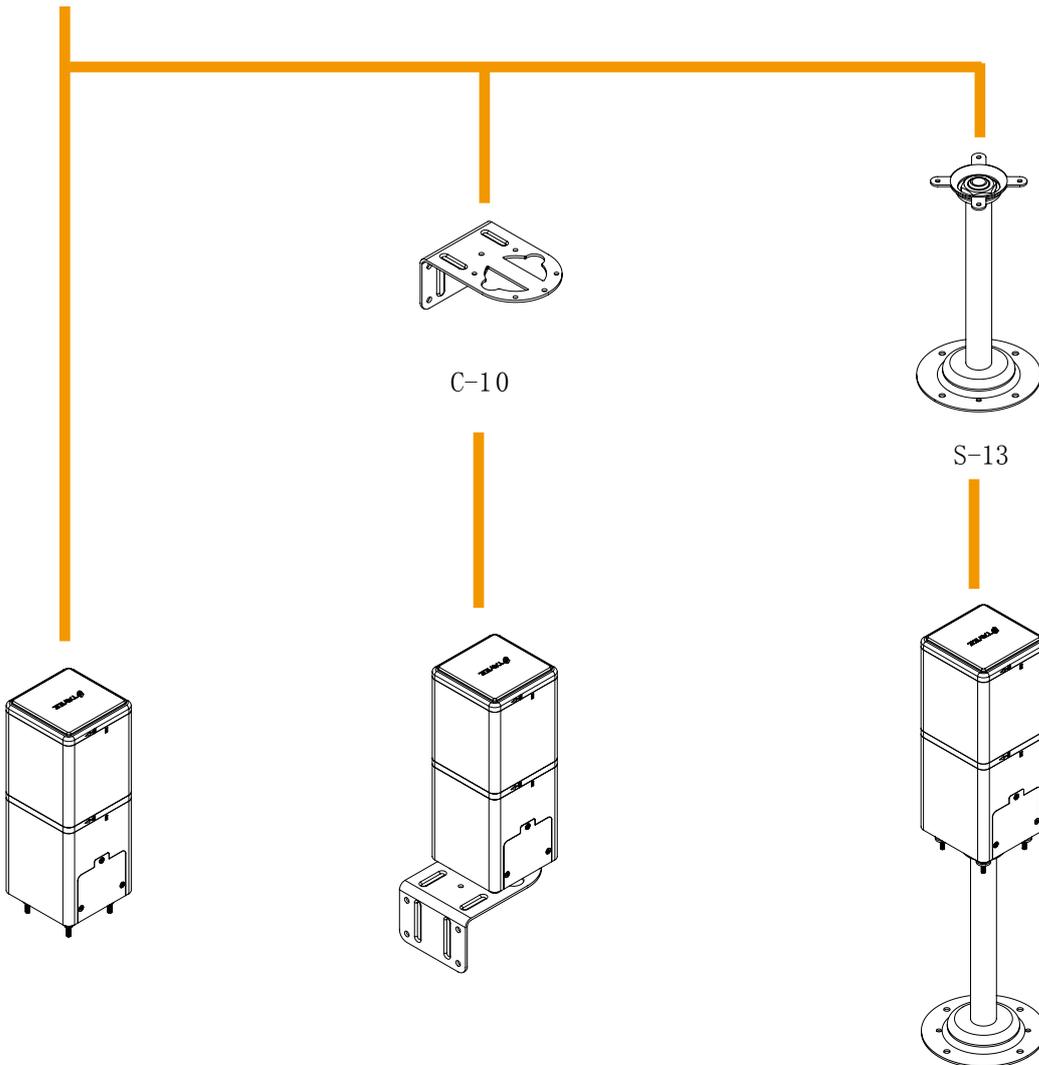
STAYE

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES

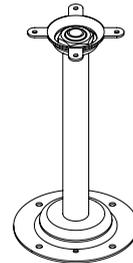


+

JD90F Square warning light



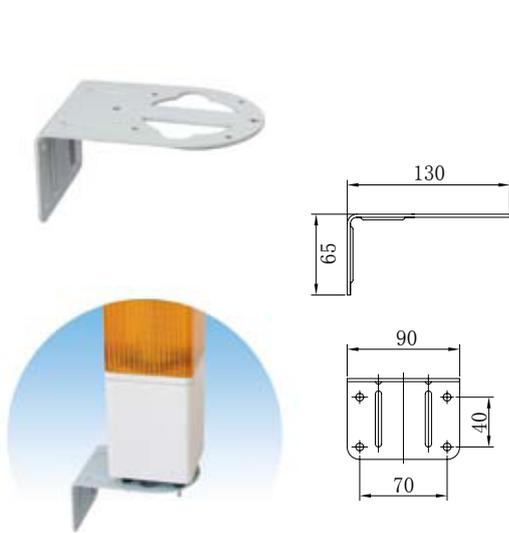
C-10



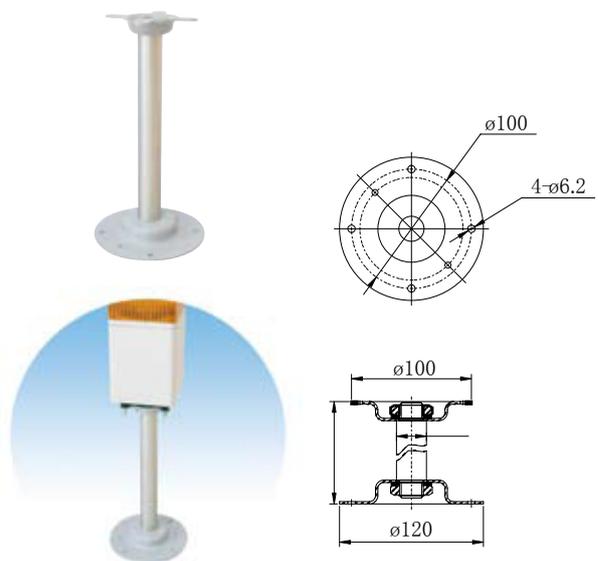
S-13

INSTALLATION MODE AND INSTALLATION ACCESSORY

To Sidemount Base (out-line) C-10

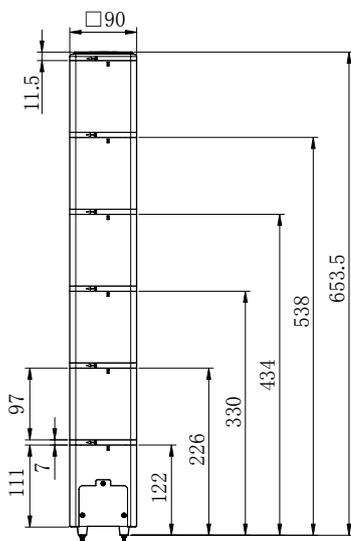


To Install Base Vertically (out-line) S-13

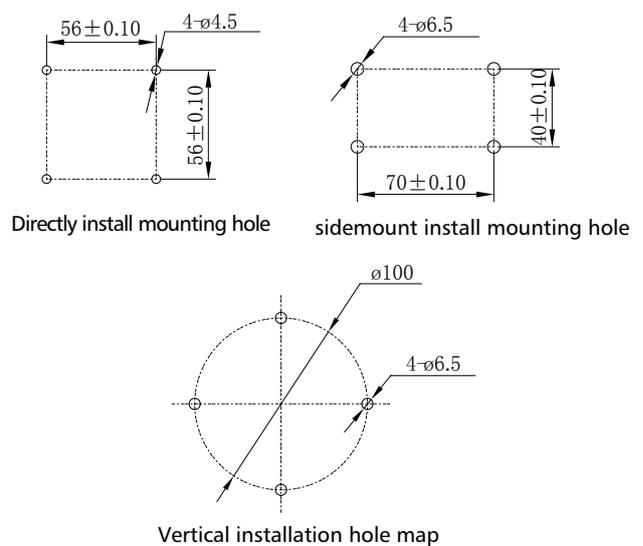


Dimensional drawing

Appearance Dimensions

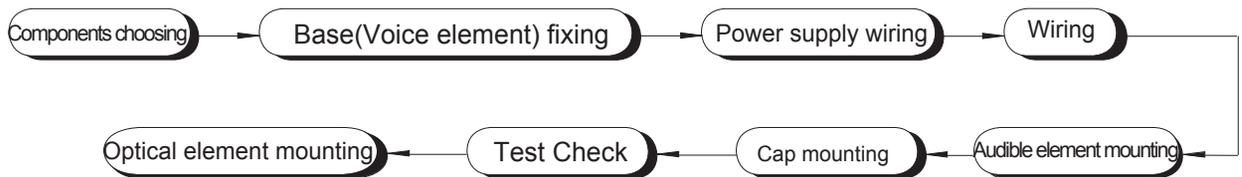


Installation hole map



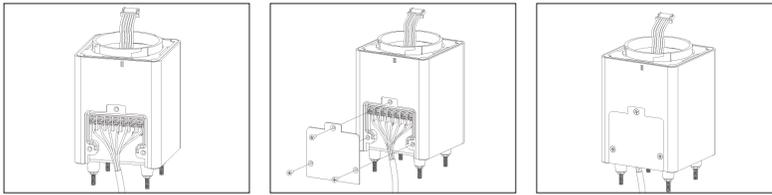
TAYE

FULL INSTRUCTION OF INSTALLATION



Installation Step

Step 1:Base(or Voice element)connect

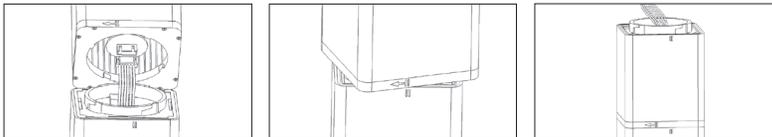


Step 2:Optical Components and wire holder(Voice element) connect



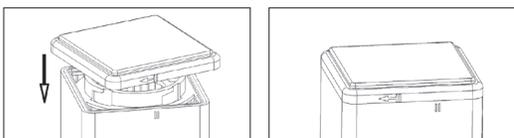
1. Fix wire holder (or voice element), Link connectors for optical components and wire holder.
2. Align printed label of Optical Components and wire holder
3. The Optical component to the printed label arrow direction, go to four direction aligned flat

Step 3:Optical components and optical component connections



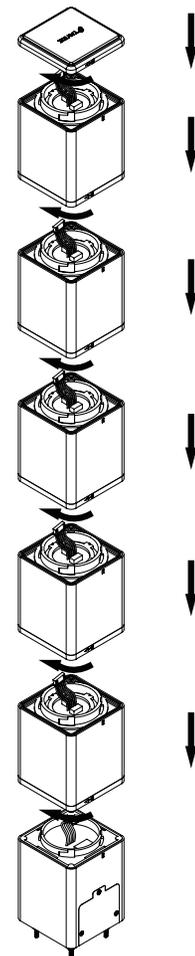
1. Fix down optical components, link connectors of two optical components
2. Align printed label of two Optical Components
3. The Optical component to the printed label arrow direction, go to four direction aligned flat

Step 4:Cap mounting



1. Align printed label of cap and Optical Components
2. Cap to the printed label arrow direction, go to four direction aligned flat

Demonstration for Installation

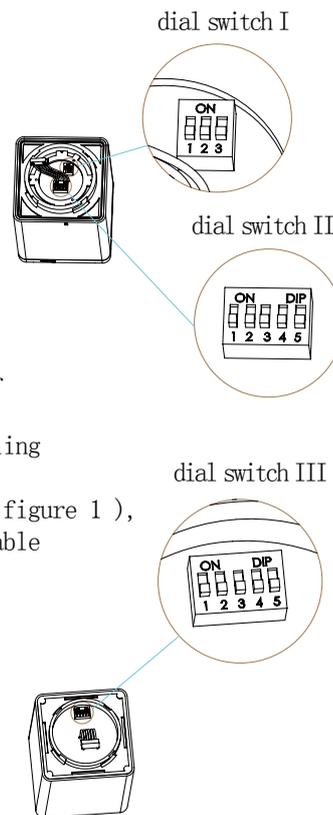


TestNote:strictly forbid plug or pull internal connector of warning light

Dial Code instructions

Optical component code dial

There is a 5 position dial switch at the top of each layer of optical components (Table 1 dial switch). The number 1-5 on the dial switch corresponds to the numbers 1-5 on base terminal numbers, can control each layer's warning lights' power. The number 1-5 of Dial switch II corresponding to warning light 1-5 layer optical components. When you need to control the layer optical components, to make available the corresponding figures to "on" position, the other digits unchanged. For example: when you need control the second layer optical components, need to get the second layer optical components (from bottom to top) in the top of the dial switch II number 2 to "ON", the other digits unchanged. At the top of adjustable optical components, there are two dial switch to control lighting form. A group of 5 position dial switch, as mentioned above. Another group of 3 position dial switch (as the dial switch in figure 1), can control optical component type, for details see attached table



picture 1

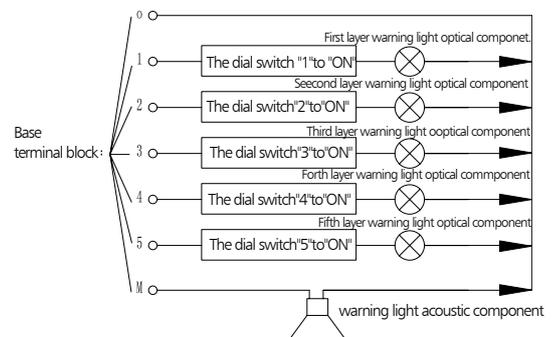
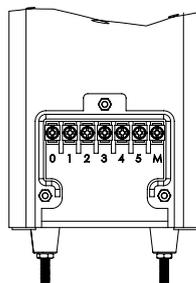
Acoustic component dial

At top acoustic components, a group of 5 - digit dialing number (As the dial switch in figure 2). By using different combinations of the dial allows for different voice conversion, there are 20 kinds of music can be adjusted, for details see attached table

picture 2

Connections Introduction

Seven marks at the behind of the base on the terminal block of JD90F Square warning light: 0, 1, 2, 3, 4, 5, M
 "0" represent the Public side of power negative pole
 "1-5" represent power positive pole controlling 5 layer Optical component of warning light
 "M" represent control Acoustic components power positive pole suggestion: Best Conductor wiring specifications 0.5mm²-1.0mm²
 Maximum line pressure area 2.5mm²



Attached sheet

Luminescent dial in the form table

sequence number	Lighting Form	Three dial switch(state)		
		The number on the dial switch1	The number on the dial switch2	The number on the dial switch3
1	Three lights flash one by one T=0.31s f=194Times / minute	0	0	0
2	Three lights flash one by one T=0.31s f=194Times / minute	0	0	1
3	Two lights flash one by one T=0.31s f=194Times / minute	0	1	0
4	One lights flash one by one T=0.31s f=194Times / minute	0	1	1
5	ON - OFF (Strobe) T=0.76s f=46Times/minute	1	0	0
6	ON-OFF (Strobe) T=0.76s f=46Times/minute	1	0	1
7	Permanent	1	1	0
8	Off	1	1	1

Voice dial table

No	Key Code	Key name	Audio frequency	Repeating tone cycle	Five position dial switch(state)				
					switch"5 "	switch"4"	switch"3"	switch"2"	switch"1"
1	Akey	long ringing buzzer	F = 800Hz (buzzer)		0	0	0	0	0
2	Bkey	interup tringing buzzer 1	F = 800Hz (buzzer)	5T /10S	0	0	0	0	1
3	Ckey	interup tringing buzzer 2v	F = 800H z	10T /5S	0	0	0	1	0
4	Dkey	two-tone conversion key 1	F1=800H z F2=1K H z	10T /5S	0	0	0	1	1
5	Ekey	exigency frequency modulation key1	500 ~ 1500H z	14T /5S	0	0	1	0	0
6	Fkey	slow rate frequency modulation key1	200 ~ 500H z	1T /7S	0	0	1	0	1
7	Gkey	exigency frequency modulation key2	600 ~ 1500H z	1T /4S	0	0	1	1	0
8	Hkey	single-tone long-short broken key 1	200H z	1T /6S 8short1long	0	0	1	1	1
9	Ikey	slow rate two-tone key 1	F1=800H z F2=1K H z	5T /10S	0	1	0	0	0
10	Jkey	two-tone conversion key 2	F1=500H z F2=630H z	10T /2S	0	1	0	0	1
11	Kkey	slow rate frequency modulation key 2	500 ~ 1500H z	1T /7S	0	1	0	1	0
12	Lkey	slow rate two-tone key 2	F1=200H z F2=400H z F3=500H z	5T /10S	0	1	0	1	1
13	Mkey	slow rate two-tone key 3	F1=500H z F2=800H z F3=1K H z	5T /10S	0	1	1	0	0
14	Nkey	slow rate frequency modulation key 3	200 ~ 500 ~ 200H z	1T /7S	0	1	1	0	1
15	Okey	slow rate frequency modulation key 4	500 ~ 800 ~ 500H z	1T /4S	0	1	1	1	0
16	Pkey	single-tone long-short broken key 2	F = 800H z	1T /6S 7short1long	0	1	1	1	1
17	Music1	waltz			1	0	0	0	0
18	Music2	To Elise			1	0	0	0	1
19	Music3	The sweet homes			1	0	0	1	0
20	Music4	Butterfly Lovers			1	0	0	1	1

Remark: 1、 Dial the Coding switch to 0 is on, 1 is off.

2、 The productions are set at the factory to Three lights flash one by one T=0.31s f=194T/M (exigency frequency modulation key1)



TYIPB

TYIPS

TYIP

TYIPA

TY3IP

TYZHD

TYJSD



TYJSDS

TYJSDT

TYLW

TYX

TYBOX

TYZC

TYJ



TYCJ

LED

TYC

TYX42B

More detailed information is available for taking.
Technology changes with each passing day, please feel free to contact to card when this version information.

Website qr code



Low qr code



More products information, please visit the website to download or for cd-rom electronic information.
Thank you for your contribution to the energy conservation and environmental protection!

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