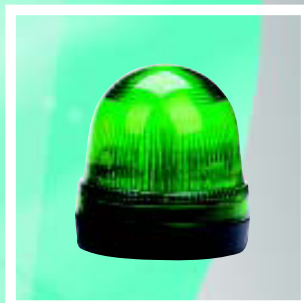
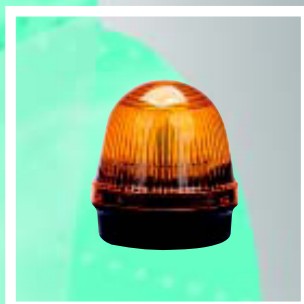




2014-2015

SIGNAL TOWER

**JD36,JD50,JD70,
JD90,JD150**



TAYEE

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.

108

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 currenttyphony 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		LED	L	Permanent	01	Red	R	DC
	Square	Super Bright	LED	H	Blink	02	Green	G	24V
	single-light				Rotating flash	03	Yellow	Y	AC
					Adjustable	04	White	W	220V
							Blue	S	



Diameter Voice element

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

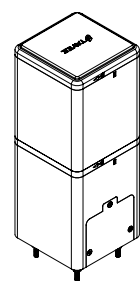
	Optical source		Luminescence modes		Color		Voltage	
	Optical source	Order type1	Modes	Order type2	Color	Order type3	Voltage	Order type4
	LED	L	Permanent Blink Rotating flash Adjustable	01 02 03 04	Red Green Yellow White Blue	R G Y W S	DC 24V	024
	SuperBright LED	H	Permanent Blink Rotating flash Adjustable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

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 AC 220V	024 122
	Name				Type			
	Decorate cap				A05			
	Connection foundation				B06			

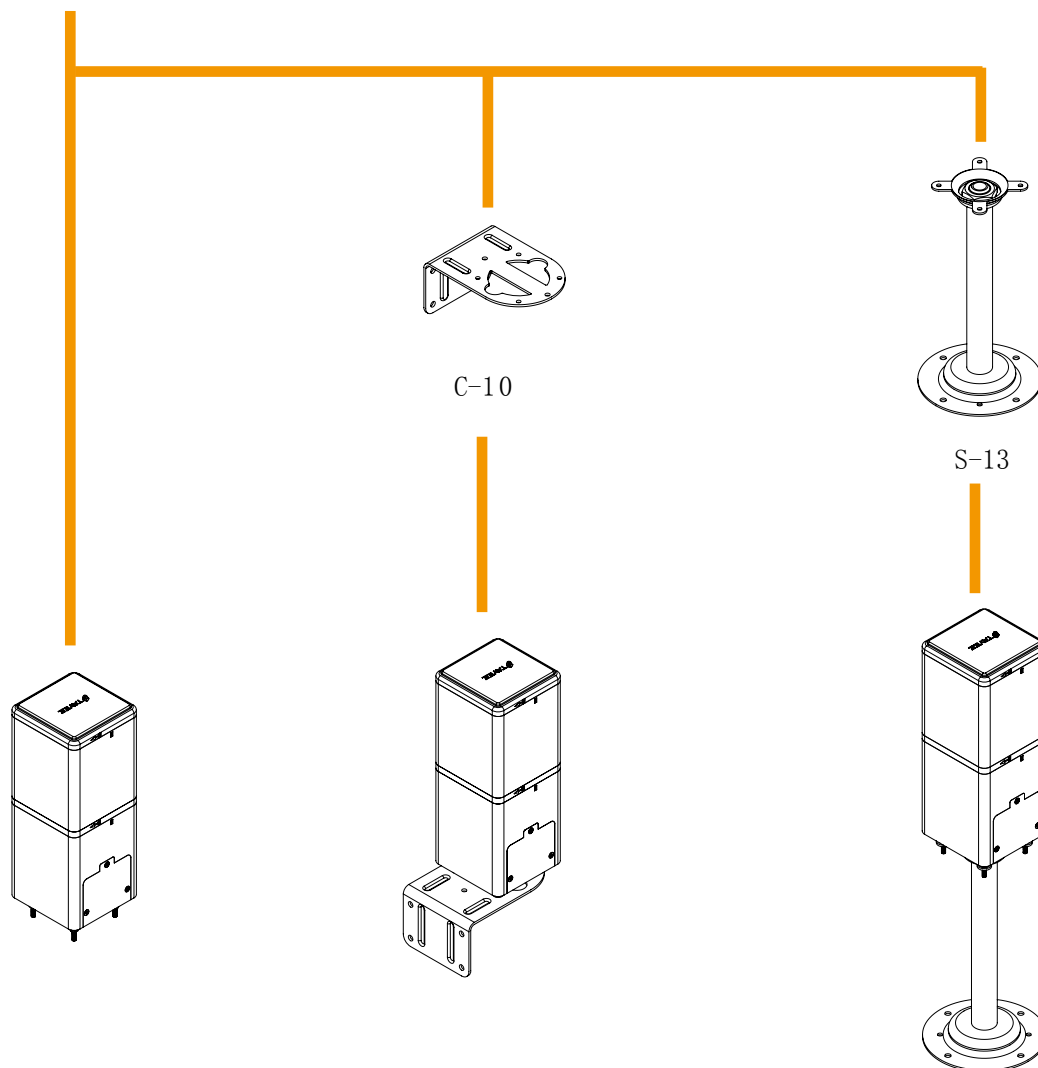
Note:DC is applicable to AC (which means DC and AC are both applicable). Special voltage can be ordered.

SKETCH MAP FOR MAKING UP PRODUCT AND ITS ACCESSORIES



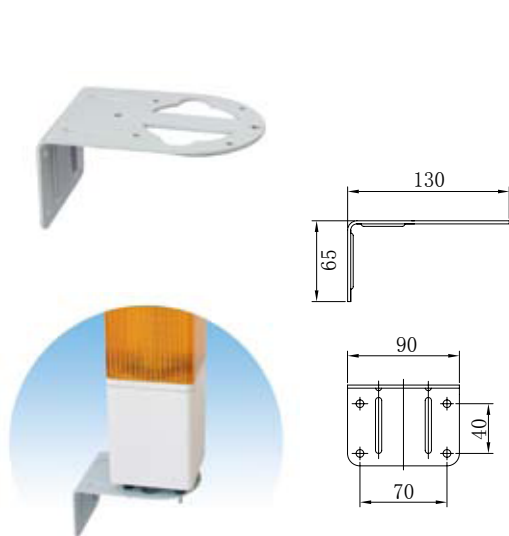
+

JD90F Square warning light

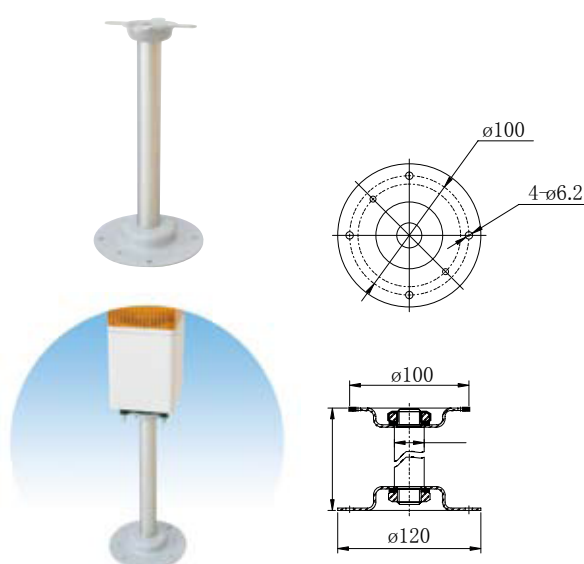


INSTALLATION MODE AND INSTALLATION ACCESSORY

To Sidemount Base (out-line) C-10

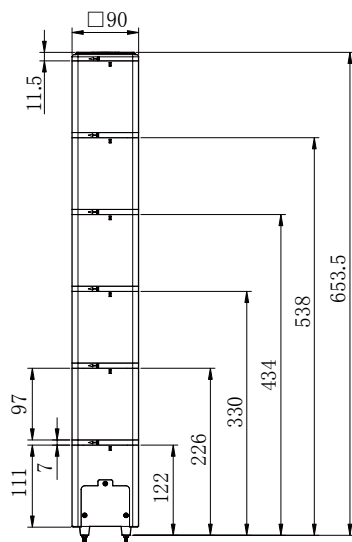


To Install Base Vertically (out-line) S-13

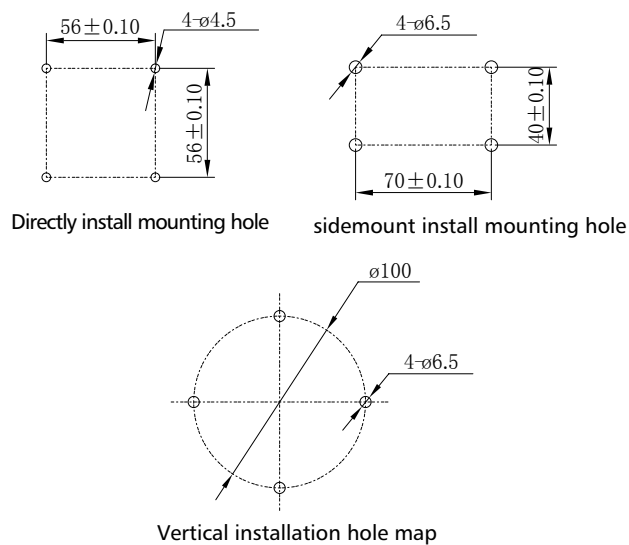


Dimensional drawing

Appearance Dimensions

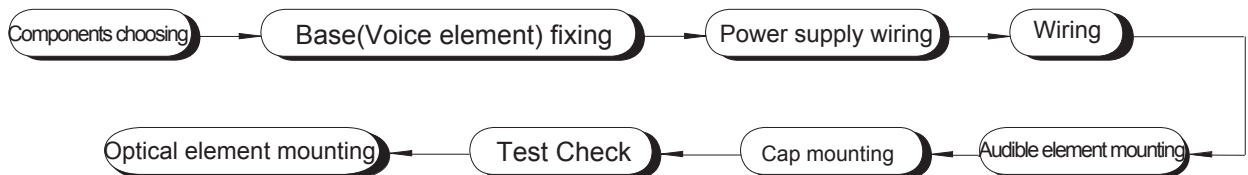


Installation hole map



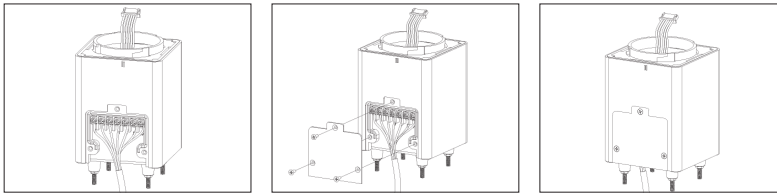
TAYE

FULL INSTRUCTION OF INSTALLATION

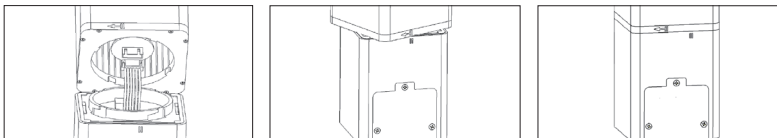


Installation Step

Step 1:Base(or Voice element)connect

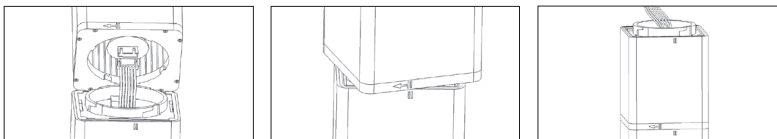


Step 2:Optical Components and wire holder(Voice element) connect



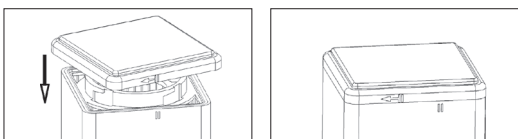
1. Fix wire holder(or voice element),Link connectors for optical components and wire holder.
2. Align printed label of Optical Components and wire holder
3. The Optical component to the printed label arrow direction, go to four direction aligned flat

Step 3:Optical components and optical component connections



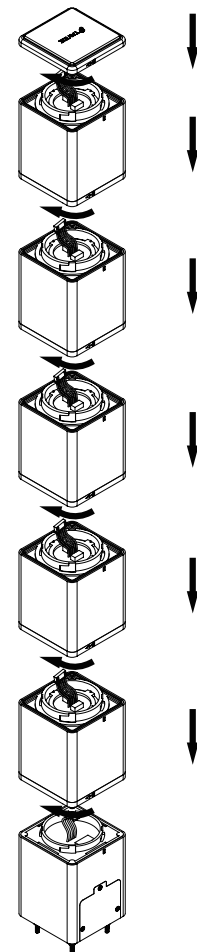
1. Fix down optical components, link connectors of two optical components
2. Align printed label of two Optical Components
3. The Optical component to the printed label arrow direction, go to four direction aligned flat

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

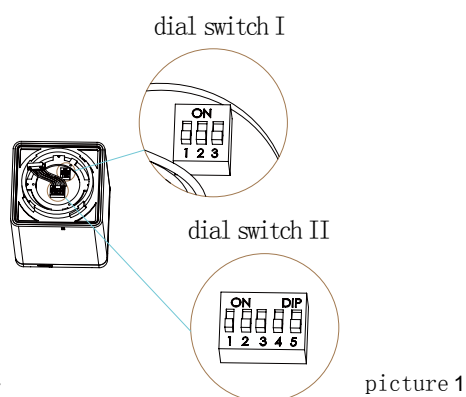


TestNote:strictly forbid plug or pull internal connector of warning light

Dial Code instructions

Optical component code dial

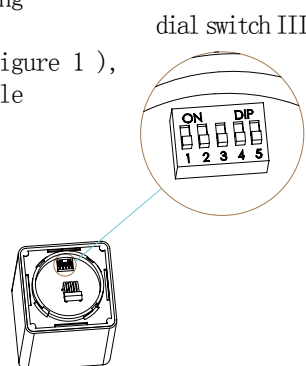
There is a 5 position dial switch at the top of each layer of optical components (Table 1 dial switch). The number 1-5 on the dial switch corresponds to the numbers 1-5 on base terminal numbers, can control each layer's warning lights' power. The number 1-5 of Dial switch II corresponding to warning 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

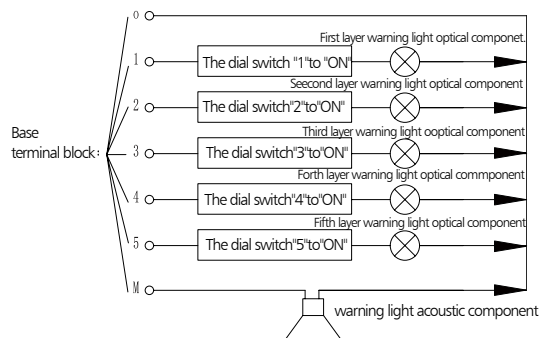
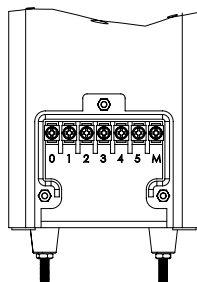
Connections Introduction

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 $T=0.31s$ $f=194\text{Times / minute}$	0	0	0
2	Three lights flash one by one $T=0.31s$ $f=194\text{Times / minute}$	0	0	1
3	Two lights flash one by one $T=0.31s$ $f=194\text{Times / minute}$	0	1	0
4	One lights flash one by one $T=0.31s$ $f=194\text{Times / minute}$	0	1	1
5	ON - OFF (Strobe) $T=0.76s$ $f=46\text{Times/minute}$	1	0	0
6	ON-OFF (Strobe) $T=0.76s$ $f=46\text{Times/minute}$	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	$F = 800\text{Hz (buzzer)}$		0	0	0	0	0
2	Bkey	interrup tringing buzzer 1	$F = 800\text{Hz (buzzer)}$	5T /10S	0	0	0	0	1
3	Ckey	interrup tringing buzzer 2v	$F = 800\text{H z}$	10T /5S	0	0	0	1	0
4	Dkey	two-tone conversion key 1	$F1=800\text{H z}$ $F2=1\text{K H z}$	10T /5S	0	0	0	1	1
5	Ekey	exigency frequency modulation key1	$500 \sim 1500\text{H z}$	14T /5S	0	0	1	0	0
6	Fkey	slow rate frequency modulation key1	$200 \sim 500\text{H z}$	1T /7S	0	0	1	0	1
7	Gkey	exigency frequency modulation key2	$600 \sim 1500\text{H z}$	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	$F1=800\text{H z}$ $F2=1\text{K H z}$	5T /10S	0	1	0	0	0
10	Jkey	two-tone conversion key 2	$F1=500\text{H z}$ $F2=630\text{H z}$	10T /2S	0	1	0	0	1
11	Kkey	slow rate frequency modulation key 2	$500 \sim 1500\text{H z}$	1T /7S	0	1	0	1	0
12	Lkey	slow rate two-tone key 2	$F1=200\text{H z}$ $F2=400\text{H z}$ $F3=500\text{H z}$	5T /10S	0	1	0	1	1
13	Mkey	slow rate two-tone key 3	$F1=500\text{H z}$ $F2=800\text{H z}$ $F3=1\text{K H z}$	5T /10S	0	1	1	0	0
14	Nkey	slow rate frequency modulation key 3	$200 \sim 500 \sim 200\text{H z}$	1T /7S	0	1	1	0	1
15	Okey	slow rate frequency modulation key 4	$500 \sim 800 \sim 500\text{H z}$	1T /4S	0	1	1	1	0
16	Pkey	single-tone long-short broken key 2	$F = 800\text{H z}$	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 $T=0.31s$ $f=194\text{T/M}$ (exigency frequency modulation key1)