VC-6734 Conventional Sounder Strobe

Installation and Operation Manual V1.11

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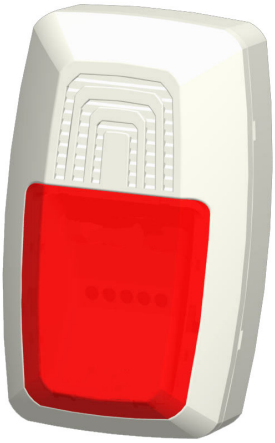
Features

- ✧ Providing 16 tones.
- ✧ Using ultra bright LEDs as source for light indication.
- ✧ Standard: EN 54-3.
- ✧ Not approved to EN 54-23.



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Description

VC-6734 Conventional Sounder Strobe is an audible combined visual alarm device used to warn people in field when fire occurs. It can give audible and visual alarm signal when applied to external 24VDC power

Connection & Cabling

Terminals on the base are shown in Fig. 2.

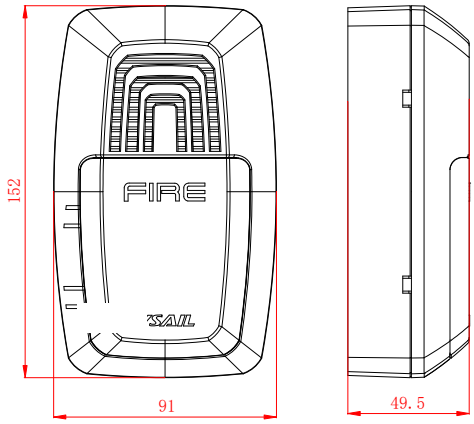


Fig. 1

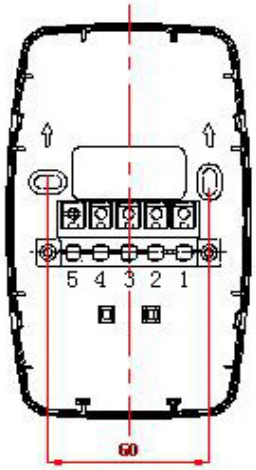


Fig. 2

1-positive，5-negative，connected with sounder output on panel.

Recommended Wiring

1.5mm^2 or above fire cable for 24VDC power line, subject to local codes.

Installation

- ✧ The sounder strobe can be mounted on the back box. The mounting hole spacing and mounting direction are shown in Fig. 2. Mounting method is shown in Fig. 3.

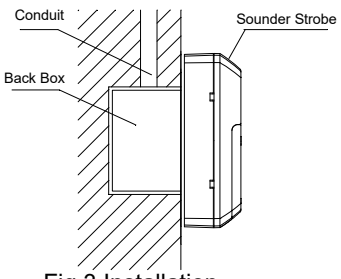


Fig 3 Installation

- ✧ The base and the sounder strobe are twisted together. When mounting, remove the sounder strobe, thread cables through the cable entry in the base and connect with corresponding terminals, then twist the sounder strobe onto the base.
- ✧ If the sounder strobe is required to be tamper-proof, knock down the arch knockout as shown in Fig. 1 and fix it with ST2.9×6.5 self- tapping screws (in this case, it can only be removed by a cross screwdriver).

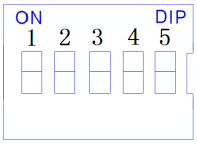
Application

Tone, working mode, consumption mode can be set through the switch shown in Fig5 on the back of the box.

The sounder strobe will sound the set tone with flash frequency 1.4× (1±20%) Hz when activated.

✧ Apply external 24VDC cable to corresponding terminals on VB-6711 Base,1: positive another 5: negative. The sounder strobe will also generate audible and visual alarm signal. In normal state, there should be no voltage input.

✧ Table 1 shows tone mode for the sounder strobe (tone 14 is defaulted).



The No. of the Switch Dip				Tone
1	2	3	4	
0	0	0	0	01
1	0	0	0	02
0	1	0	0	03
1	1	0	0	04
0	0	1	0	05
1	0	1	0	06
0	1	1	0	07
1	1	1	0	08
0	0	0	1	09
1	0	0	1	10
0	1	0	1	11
1	1	0	1	12
0	0	1	1	13
1	0	1	1	14
0	1	1	1	15
1	1	1	1	16

Accessories and Tools

Model	Name	Remark
VB-6711	Base	Included in package

Specification

Operating Voltage	Power: 24V (21V~28V)
Operating Current	Action Current ≤50mA
Flashing Frequency	1.4×(1±20%)Hz
Ingress Protection Rating	IP21C
Operating Temperature	-10℃~+50℃
Relative Humidity	≤95%, non condensing
Material of Enclosure	ABS
Dimension (L×W×H)	152X91X49.5
Weight	About 210g
Mounting Hole Spacing	60mm

Tone Type

Tone	Description
01*	2400Hz -2900Hz @3Hz
02	2400Hz -2900Hz @9Hz
03	2400Hz
04	800Hz /970Hz @ 2Hz
05	970Hz
06	800Hz -970Hz @1Hz
07	970Hz 1s off/1s on
08	970Hz, 0.5s/630Hz, 0.5s
09	500Hz-1200Hz,3.75s/0.25s off
10*	500Hz -1200Hz×3, 3.5s on/0.5s off
11	2850Hz, 0.5s on/0.5s off×3/1.5s off
12	2850Hz 0.4s on,0.3s off
13	550Hz,0.7s/1000Hz,0.33s
14	500Hz -1200Hz @0.33Hz
15	1500Hz -2700Hz @3Hz
16	800Hz-970Hz@3Hz
***Tones approved to EN54-3**	

Limited Warranty

VSAIL warrants that the product will be free from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend

The contents of this warranty. Please contact your local distributor for products not covered by this warranty.

Appendix 1 LPCB tones of certification work tables

1. Tone 1 – Maximum Volume dB(A)

Angle	Horizontal Plane		Vertical Plane	
	Max 28V	Min 21V	Max 28V	Min 21V
15°	85.3	85.2	86.2	85.9
45°	88.0	87.7	86.6	85.7
75°	91.7	90.9	89.5	88.9
105°	91.1	90.4	89.7	89.3
135°	95.7	85.3	88.6	88.0
165°	87.6	86.7	84.6	84.1

2. Tone 10 – Maximum Volume dB(A)

Angle	Horizontal Plane		Vertical Plane	
	Max 28V	Min 21V	Max 28V	Min 21V
15°	92.1	91.2	92.3	91.8
45°	92.8	91.3	90.9	90.0
75°	96.2	95.4	94.9	94.2
105°	95.7	95.0	94.8	94.5
135°	91.0	90.2	94.2	93.5
165°	92.1	91.6	88.8	88.1