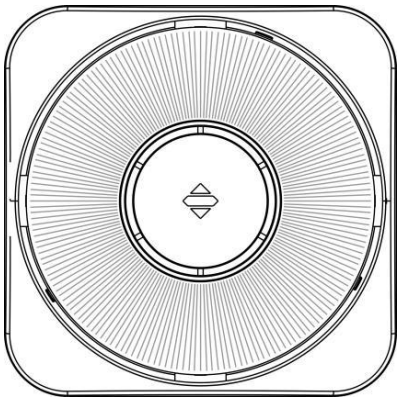
Please read this Manual carefully before installing and using the product .

SG-A92E Sound Beacon

1 Product overview



1.1 SG-A92E type fire audible and visual alarm (after this referred to as audible and visual alarm, if there are no special instructions, the default is intelligent) is the product of bus type fire alarm controller produced by our company. The audible and visual alarm is controlled by a microprocessor, which can communicate with the controller in real-time and receive the control command given by the controller. When inspecting the working status, the red status indicator of the audible and visual alarm blinks. When an accident occurs, the audible and visual alarm acts after receiving the starting command of the controller and sends out a dazzling flashing signal and a harsh acoustic alarm signal to remind the scene personnel to quickly understand the fire at the scene and take measures to evacuate as soon as possible to avoid a major accident. Press the "Reset" key on the controller to restore the audible and visual alarm to the monitoring state.

1.2 The audible and visual alarm is used for the sound alarm and flashing alarm at the accident scene and can be used in high-rise residential buildings, public places, hotels, entertainment venues, factories, shopping malls, hospitals, schools, office buildings, stock exchanges and other places, especially for places with low visibility or smoke production.

2 Product features

2.1 Full electronic code, address number and working mode can be changed by the encoder field, through the encoder can be set to the ordinary sound and light alarm.

2.2 Sound and light alarm working mode can be set freely, sound and light alarm at the same time, or sound or light-independent alarm, suitable for different working environments.

2.3 The independent base is used for easy installation, commissioning, and maintenance.

2.4 Light display using several ultra-bright white LED light sources, display eye-catching, long life, low power consumption.

2.5 provides the anti-demolition function.

3 Technical parameters

3.1

Items	Parameters
Executive standard	GB 26851-2011
Working mode	non-polar two-wire system
Working current:	static current < 1mA, alarm current < 8mA
Operating environment	Temperature: -10 °C ~ +55 °C , relative humidity: ⩽ 95% (40 °C ± 2 °C no condensation)
Tone change period	3.5s ~ 5.0s
Flash frequency	1.0Hz ~ 1.5Hz
Alarm volume	80dB ~ 100dB
Size	111*111*50 (mm) (with base)
Weight	130g (with base)
Place of use	indoor

Coding method	electronic coding
With the host	fire alarm controller, fire linkage controller

4 Appearance and dimensions

4.1

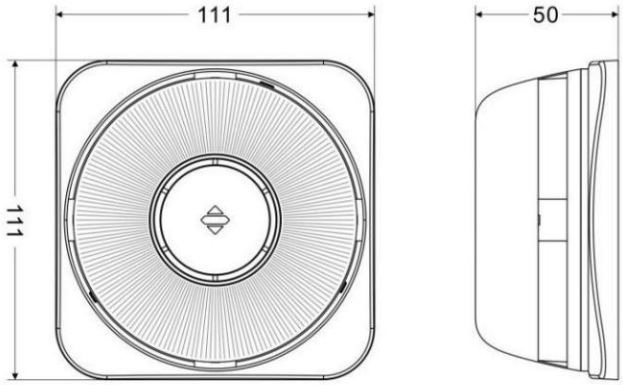
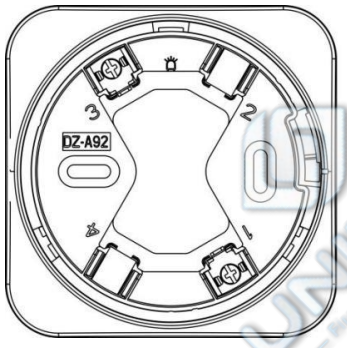


Fig.1 (Unit: mm)

5 Use and engineering application

5.1 Schematic diagram of supporting installation base, as shown in Fig.2:



Terminal Defination:
(Two-wire non-polarity system)
1--Signal terminal(L1)
2--Null
3--Signal terminal(L2)
4--Null

Fig.2

5.2 Wiring mode: The audible and visual alarm is connected to the compatible fire alarm control system through the two-wire bus, and the non-polar connection is adopted. The L1 and L2 of the bus are connected to the 1 and 3 ends of the supporting base. The diagram of multiple audible and visual alarms connected to the addressable fire alarm control panel is shown in Fig.3.

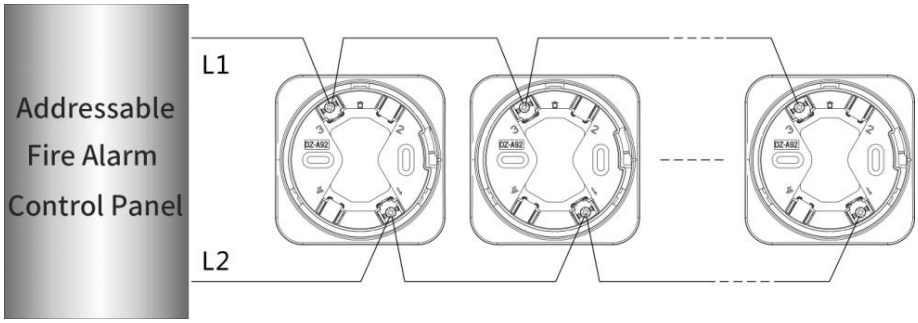


Fig.3

5.3 Coding address: As shown in Fig.4, connect the audible and visual alarm through the matching base on the encoder (the matching base for encoding is DZ-A10), L1 and L2 adopt non-polar connection, set the encoder as the coding function, compile the correct address code, press the "Run" button to complete the address code setting. (Note: Please refer to the encoder manual for coding details)

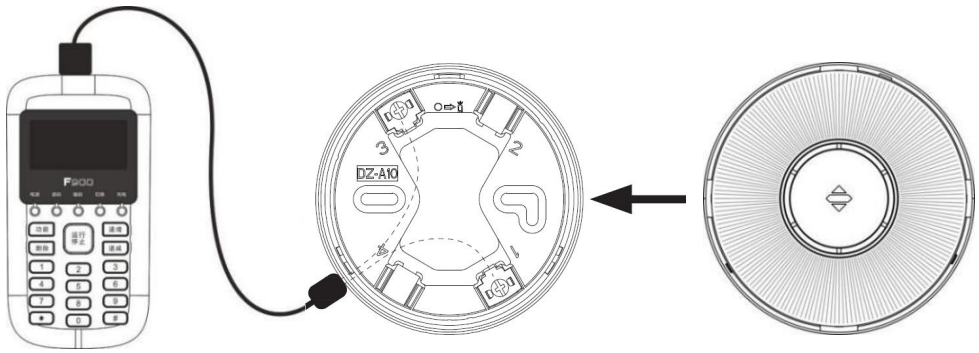


Fig.4

5.4 Mode coding: The working mode of the audible and visual alarm is set by the encoder, and the wiring method is the same as the address coding. After the correct connection, adjust the encoder to the "99A" coding mode, and select the corresponding mode code to set the required working mode according to the following table, press the "Run key" to complete the mode coding setting. (Note: Please refer to the encoder manual for coding details)

Mode code	Function description
01	Audible and visual alarm (factory default Settings)
02	Audible alarm (does not flash)
03	Flash alarm (no sound)
08	Intelligent Audible and visual alarm (factory default Settings)
09	Common audible and visual alarm

5.5 Usage: When the address and mode of the audible and visual alarm are set and the connection with the controller is correct, the power can be turned on. The ordinary audible and visual alarm needs to be connected to the controller through the output module with a set address. After the controller is reset successfully, the red status indicator of the intelligent audible and visual alarm blinks. When the sound and light alarm receives the action signal, the sound and light alarm signal is issued. After the system is reset, the audible and visual alarm will stop outputting the audible and visual alarm signal, and the intelligent audible and visual alarm status indicator will resume blinking.

6 Installation and debugging

6.1 The installation of the audible and visual alarm requires a matching base, as shown in Fig.5, model DZ-A92. The external size is 111mm × 13mm(side length × thickness), the diameter of the fixed hole is 4.5mm, and the spacing of the fixed hole is 52.5mm ~ 62.5mm.

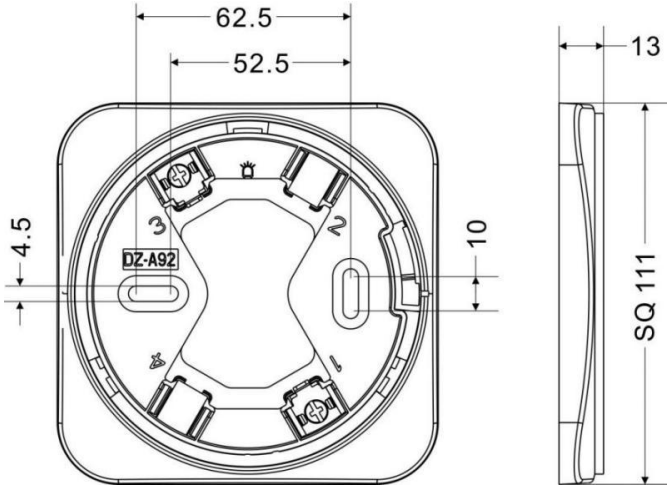


Fig.5

Specific methods of installation and debugging of audible and visual alarms:

a. Secure the base to the specified position using two M4 screws through the installation and fixing holes shown in Fig.5 according to the construction drawings. Ensure that the base is securely installed.

b. Disconnect the power supply of the controller and connect all bases according to Fig.3.

c. Confirm that the type of sound and light alarm matches the type indicated on the construction drawings; According to the address number marked on the construction drawing, use the encoder to code the sound and light alarm.

d. After all the audible and visual alarms are installed and confirmed, power on the controller and log in automatically.

e. After an audible and visual alarm is logged into the controller, its red status indicator blinks. When the audible and visual alarm receives the action signal, the audible and visual alarm will issue an audible and optical alarm signal. When the system is reset, the audible and optical alarms will stop output the audible and optical alarm signals; The status indicator will return to the monitoring blinking state.

7 Precautions ⚠

7.1 Pay attention to the labels on terminals when connecting cables.

7.2 In the same alarm loop, each product is not allowed to have the same address, otherwise, the system will not work properly.

7.3 During installation, please note that there should be no objects in front of the audible and visual alarm that can block the flash and block the sound.

7.4 The installation shall comply with the provisions of GB 50166-2019 "Standard for Construction and Acceptance of Automatic Fire Alarm System".

8 Transportation and storage

8.1 By the requirements of packaging and safety, it is allowed to be transported by car, train, ship, aircraft and any other means.

8.2 Storage in the ambient temperature of -10°C ~ +55°C, relative humidity ≤95% (40°C ±2°C without condensation), no corrosive gas, and good ventilation conditions.

9 Maintenance and testing

9.1 The audible and visual alarm is tested at least once a year.

9.2 Within the warranty period stipulated in the contract, the company will be responsible for free repair or replacement of the sound and light alarm that is normally used according to the regulations, if it fails due to defects in materials or manufacturing process. If the audible and visual alarm fails due to artificial damage, improper use or self-adjustment, modification or disassembly, it does not belong to the scope of warranty. Therefore, the company will not be responsible for the adverse consequences caused by it.

9.3 The company is responsible for the paid maintenance of products not covered by warranty, if you need to repair, please contact us. At the same time, we would like to get some important information about the product you want to repair, such as product failure and possible reasons, so that we can find the problem in the shortest time, but also to provide a reference for our future product development and improvement.

10 Fault analysis and elimination methods

10.1

Fault phenomenon	Cause analysis	Elimination method	Note
No flashing alarm signal Or audible	Wiring error	Check whether the cables are correctly connected	

alarm signal	The linkage function is disabled	Check whether the general linkage light is on	
	The address code is incorrectly set	Check that the address encoding is correct	
	The mode encoding setting is incorrect	Check that the schema encoding is correct	
	Internal circuit failure	Return to factory for repair	

SHENZHEN HTI SANJIANG ELECTRONICS CO., LTD.

Address：3F, Guangcai Xintiandi Mansion, Nanshan Road, Nanshan District, Shenzhen, Guangdong,518054, China

Fax:：+86(755)86223939 Tel：+86(755)86226969

Website：Http://www.sanjiang-security.com