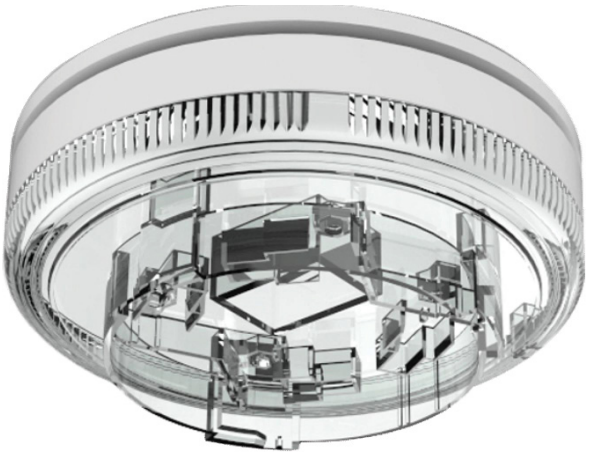
FIREGUARD GLOBAL LTD

ADDRESSABLE SOUNDER BEACON BASE

IQ331SB

DESCRIPTION

IQ331SB Addressable Sounder Beacon base is a low power consumption and loop powered to reduce installation cost. The Addressable Sounder Beacon base can be used with a detector. The detector can be mounted directly on the base. It can be used with a bus-type fire alarm control panel. After receiving a start command given by the fire alarm control panel following an accident, the Addressable Sounder Beacon base will begin to work. At this moment, the Addressable Sounder Beacon base will give a dazzling visual alarm signal and a harsh audible alarm signal, to remind the persons on the scene of the accident, the fact that a fire has occurred on the site, quickly and necessity to take related evacuation measures, thus preventing the fire accident from becoming a major one.



KEY FEATURES

- Meet EN54-3 Standards.
- Easy & Reliable Installation: Designed for convenient and reliable rotating installation.
- Striking Visual Display: Employs multiple super bright red LEDs for a highly visible display.
- Integrated Design for Efficiency: Combines the detector base and Sounder Beacon, allowing single-point connection for IQ331S and IQ331H detectors, saving time, installation costs, and simplifying debugging and maintenance.

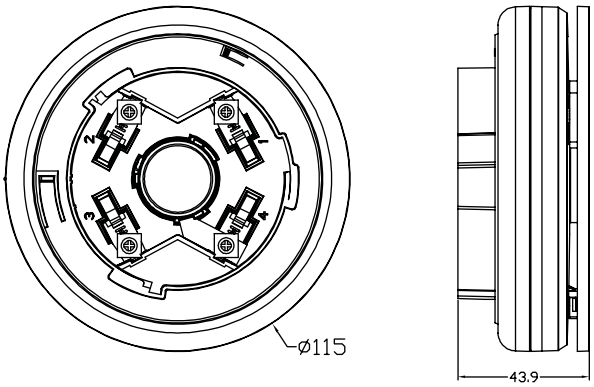


Fig .1 Appearance and Dimension unit: mm

TECHNICAL PARAMETERS

Executive Standard	EN54-3 Type A Sounder
Loop Unit	DC24V(20-28V),≤2mA(monitoring status),≤8mA(alarm status)
Power Consumption	≤0.2W@DC24V
Sound Output	≥73dB(A)@1m
Flash Rate	1~2Hz
Flash Color	RED
Protection Class	IP21C
Operating Temperature	-10℃+55℃
Relative Humidity	≤95%(non-condensing)
Material Body	Flame retardant PC/PC+ABS
Dimension	Φ115mm×H44mm(with bracket) See Fig .1
Weight	About 169g

USE AND ENGINEERING APPLICATION

1. **WIRING:** See Fig. 2 The Addressable Sounder Beacon Base is subject to a two-wire non-polarity connections. Terminal 1 and 3 are respectively connected with the terminals L1 and L2 of the loop bus of a compatible fire alarm control panel. Terminal 2 and 4 are respectively connected with the terminals 2 and 4 of IQ331H (Heat Detector) or IQ331S (Smoke Detector).

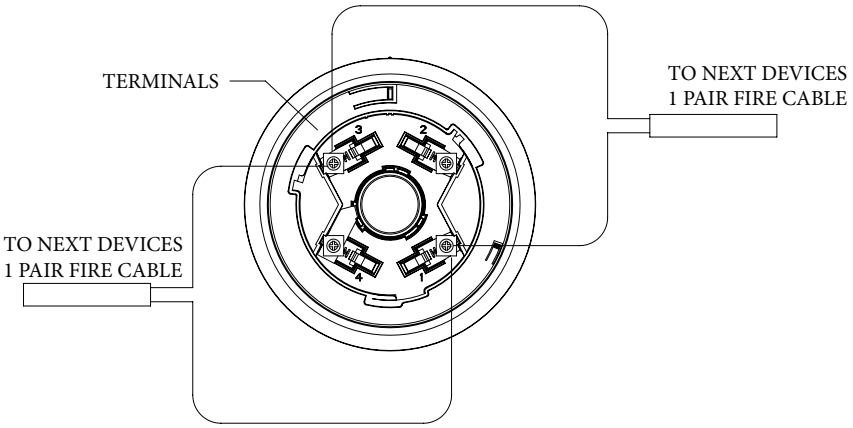


Fig .2

2. **CODING ADDRESS:** The Addressable Sounder Beacon Base must be encoded address by a special coder (CODER-F900E) installation. Fig .3 shows the wiring diagram of the Sounder Strobe Base and coder. After wiring, press "#" key to select "324" mode, set the coder with the coding function, then select the correct address number and press the "RUN/STOP" key to complete the address code setup.

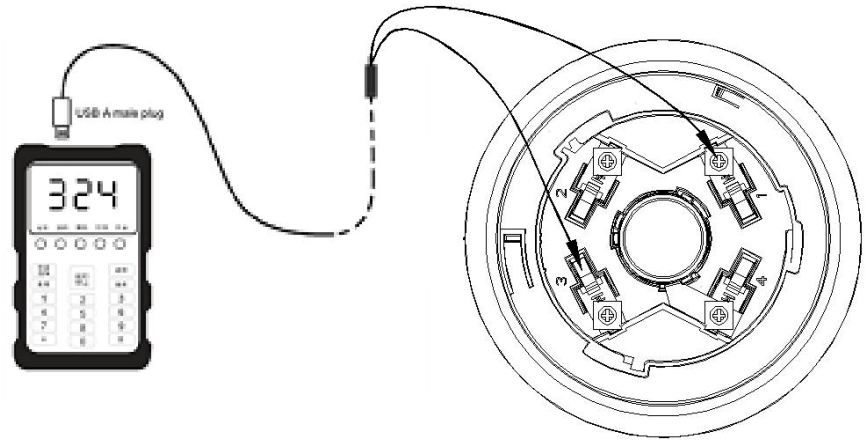


Fig .3

3. **MODE CODING:** The mode of the Addressable Sounder Beacon Base can be set by the coder. The wiring method of setting the same as the address coding. After wiring, press the "#" key to select "99A" mode, set the coder with the coding function, then select the corresponding code in the following table and press the "RUN/STOP" key to complete the mode setup.

MODE TABLE	
MODE	CODE
Sounder & Beacon	01
Sounder	02

4. **APPLICATION:** See Fig. 4 is a schematic diagram of the connection between multiple Sounder Beacon Base with Fire Alarm Control Panel.

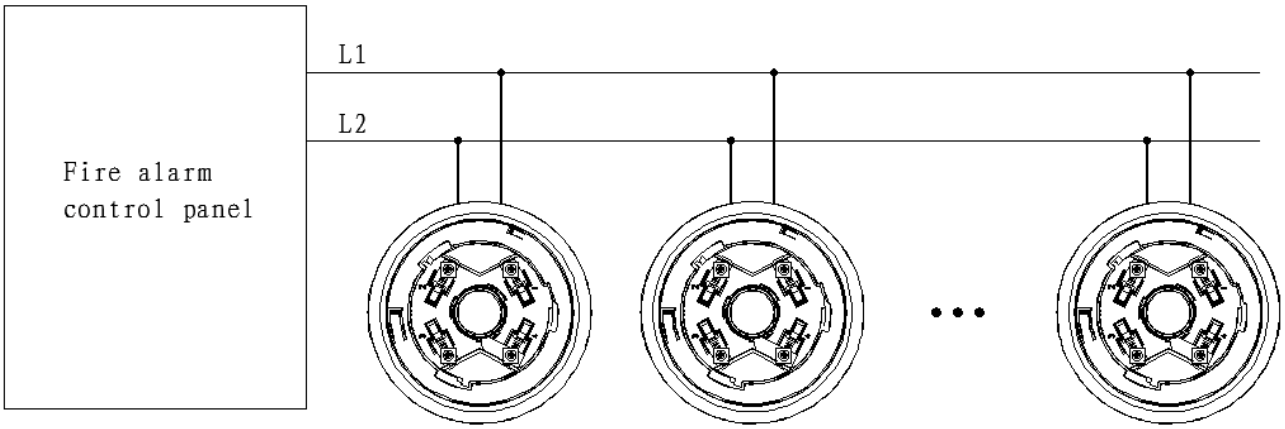
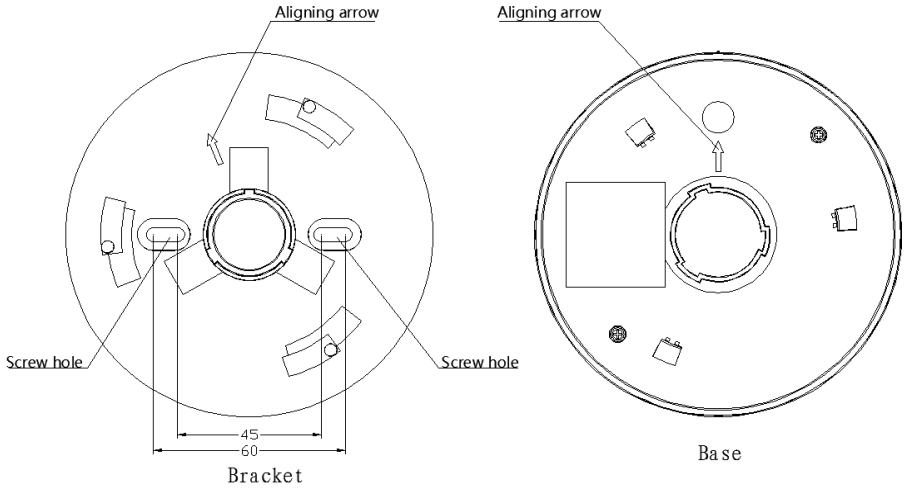


Fig .4

INSTALLATION



Definitions of terminals (non-polarity Two-wire system) 1->Loop terminal(L1/L2) 3->Loop terminal(L2/L1)

Fig .5

1. Use two M4 screws to fix the IQ331SB bracket to ceiling via the two elliptic screw holes (See Fig .5)
2. Twist the base onto the bracket (pay attention to aligning two arrow).
3. Connect the bus cables with the terminal 1 & 3.
4. If the Sounder Beacon Base is required to be tamer-proof, fix it with cross recessed pan head screws M3x9 thought tamper-proof hole, and the detector is prevented from disassembly by structural changes (See Fig .6)

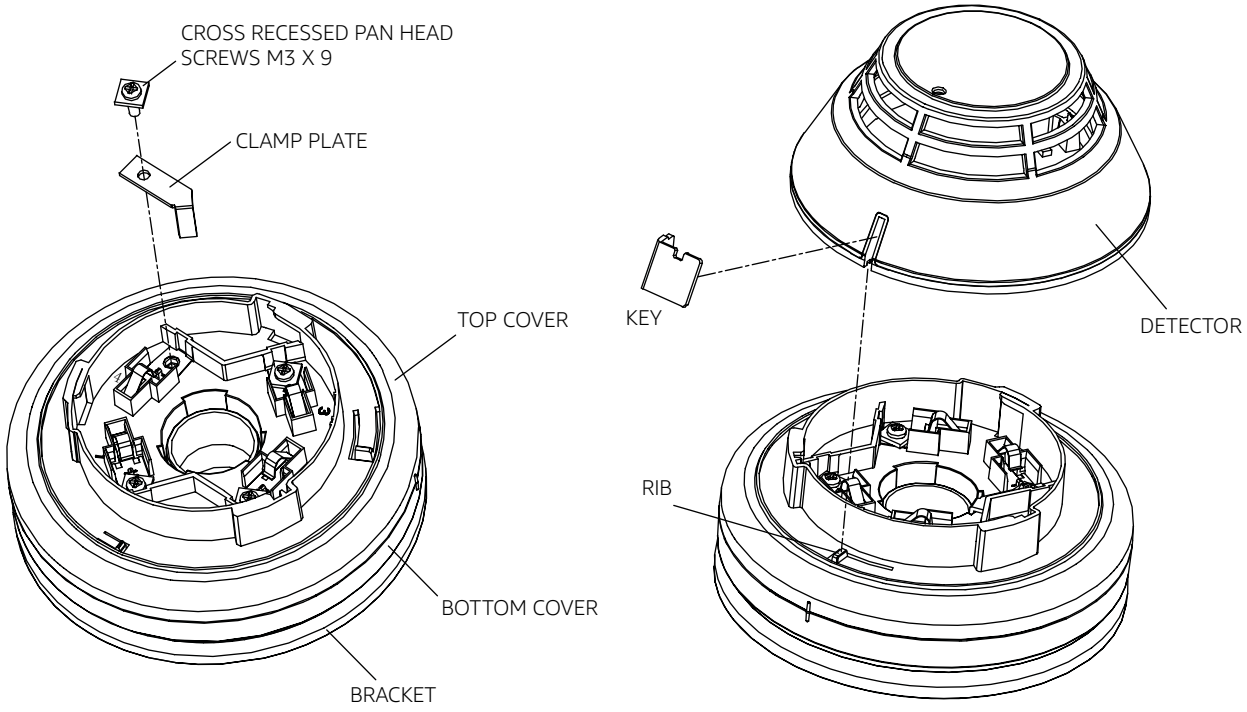


Fig .6

SOUND LEVEL DATA (EN54-3 APPROVED)

TONE: 667Hz-2000Hz@0.21Hz,Max Volume, dB(A)@1m

ANGLE	HORIZONTAL		VERTICAL	
Voltage	20V	28V	20V	28V
15°	82.0	85.0	82.7	85.4
45°	80.0	83.5	81.8	84.7
75°	82.1	85.3	80.2	83.3
105°	83.0	85.3	84.6	87.4
135°	83.0	85.9	81.2	83.7
165°	83.2	86.0	81.9	84.7