BLAUPUNKT

User Manual

INTELLIGENT SOUNDER BEACON BASE
BP-FD-SSB321

Enjoy it.

Instruction Manual of BP-FD-SSB321 Intelligent Sounder Beacon Base
Read through these instructions before using this device to ensure correct installation and use!

I. Overview

CE
22
2831-CPR-F4732

BP-FD-SSB321 Intelligent Sounder Beacon Base is addressable , low power consumption and loop powered to reduce installation cost. The Intelligent 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 Sounder Beacon Base will begin to work. At this moment, the 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.

The Sounder Beacon Base may be used to give audible alarms and flashing alarms at the scenes of accidents. It is applicable to places like high-rise residential buildings, public places, hotels, amusement buildings, factories, shopping centers, hospitals, schools, office buildings and stock exchanges, and particularly to the places with a low visibility or the possibility of generation of smoke.

II. Product features
1) Meet EN54-3.

2) It is installed by rotating, it can be installed conveniently and reliably.

3) It uses multiple super bright red LEDs as light sources for visual display, ensuring a striking display effect.

4) Set the detector base and Sounder beacon as a whole, it can be equipped with BP-FD-ASD301 smoke detector and BP-FD-AHD302 heat detector, single point connection for detector, sounder and LED beacon (saving on both time and installation costs) , debugged and maintained conveniently.

III. Technical Specification
1) Executive Standard: EN54-3 Type A Sounder
2) Loop input: DC24V(20-28V), ≤2mA(monitoring status), ≤8mA(alarm status)
3) Power consumption: ≤0.2W@DC24V
4) Sound output: ≥73dB(A)@ 1m
5) Flash rate: 1~2Hz
6) Flash color: RED
7) Protection class: IP21C
8) Operating temperature: -10℃～+55℃   Relative Humanity: ≤95% (non-condensing)
9) Material Body: Flame retardant PC/PC+ABS
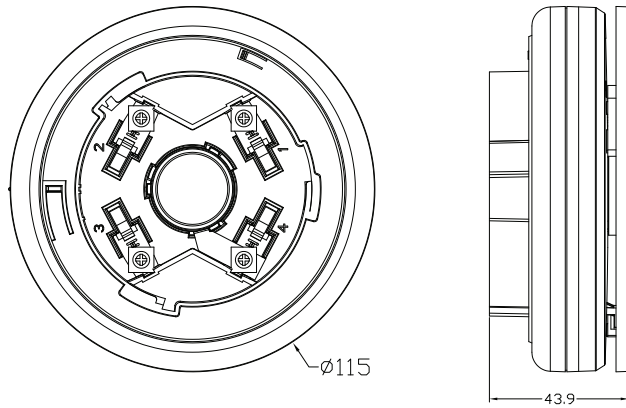10) Dimension: φ115mm×H44mm (with bracket) , See Fig.1
11) Weight: about 169g

Fig.1

IV. Use and engineering application

1) Wiring:See Fig.2.The Sounder Beacon Base is subject to a two-wire non-polarity connection: Terminals 1 and 3 are respectively connected with the terminals L1 and L2 of the loop bus of a compatible fire alarm control panel. Terminals 2 and 4 are respectively connected with the terminals 2 and 4 of BP-FD-AHD302 (Heat Detector) or BP-FD-ASD301 (Smoke Detector).
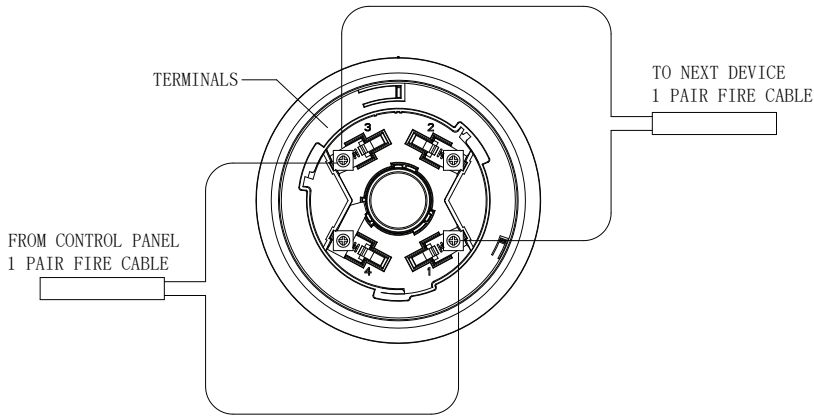

Fig.2

2) Coding address: The Sounder Beacon Base must be encoded address by a special coder (BP-FD-ACODER) before the installation. Fig.3 shows the wiring diagram of the Sounder Beacon Base and coder. After wiring, press the "#" 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. (Note: See the User's Manual of the coder for the detailed operation.)
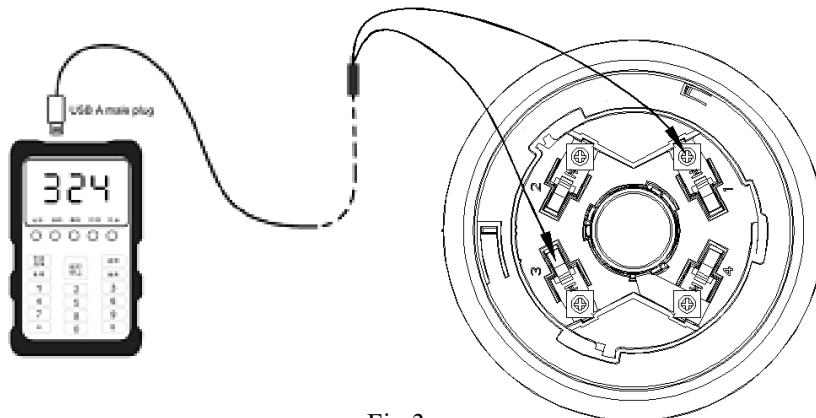

Fig.3

3) Mode coding: The mode of the Sounder Beacon base can be set by the coder. The wiring method of setting mode is 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. (Note:See the User's Manual of the coder for the detailed operation.)

Mode Table	
Mode	Code
Sounder&Beacon	01
Sounder	02

4) Application: Fig.4 is a schematic diagram of the connection between multiple Sounder Beacon Base with a fire alarm control panel.

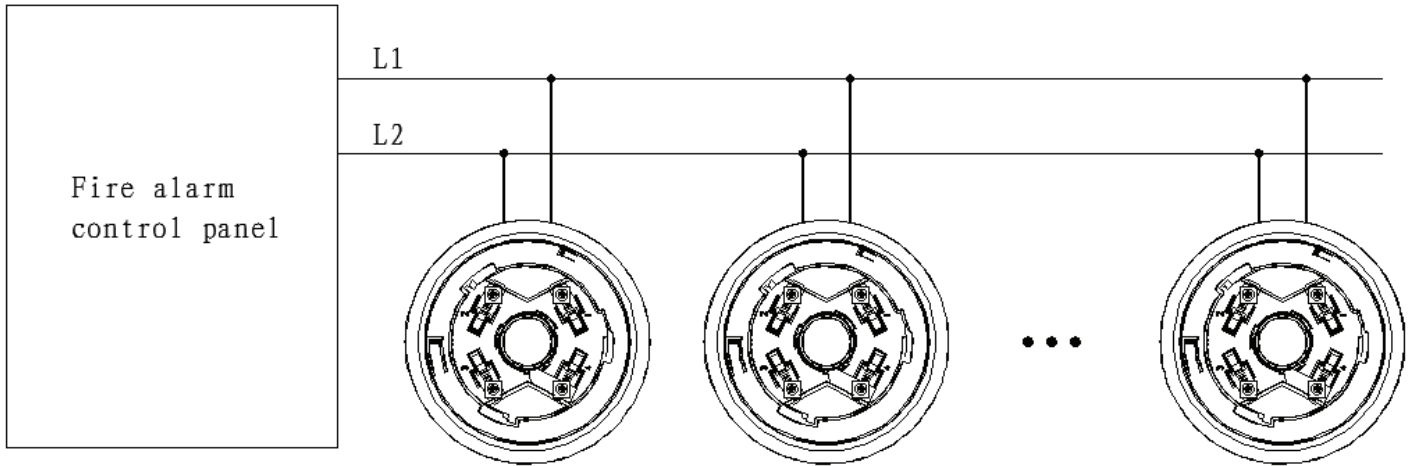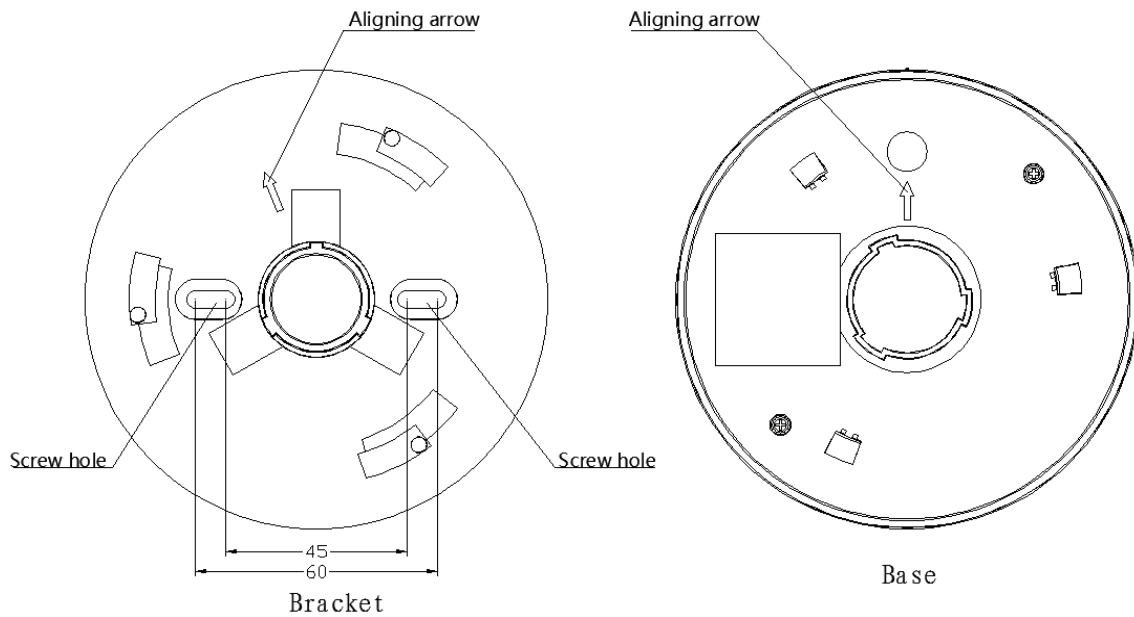Fig.4

V. Installation

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

Fig.5　Base and wiring diagram

1) Use two M4 screws to fix the BP-FD-SSB321 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 tamper-proof,fix it with cross recessed pan head screws M3×9 thought tamper-proof hole,and the detector is prevented from disassembly by structural changes(see Fig 6).
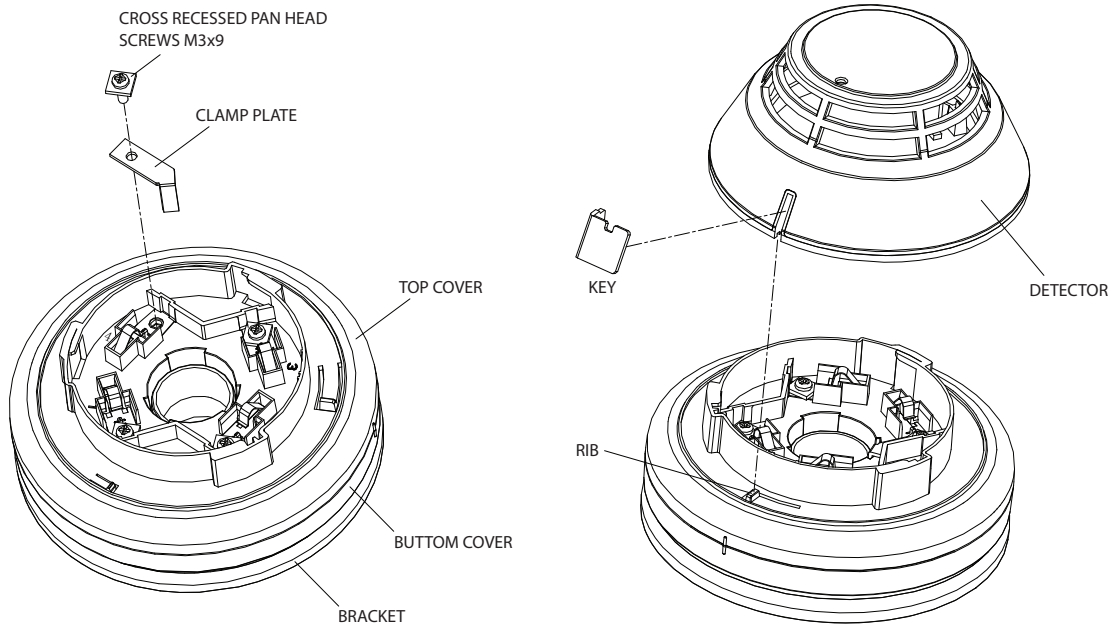
3

CROSS RECESSED PAN HEAD
SCREWS M3x9

CLAMP PLATE

TOP COVER

KEY

DETECTOR

BUTTOM COVER

RIB

BRACKET

Fig 6

VI. 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

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