

Specification	
Operating temperature	-10 to +50°C
Storage temperature	-20 to +60°C
Humidity	0 to 95% noncondensing
Supply	3x AA Alkaline (<i>Panasonic LR6AD Powerline / Varta 4006 Industrial</i>) 3x C Alkaline (<i>Panasonic LR14AD Powerline / Varta 4014 Industrial</i>)
Beacon element voltage range	17 to 60 VDC
Beacon element current max.	45 mA at 1 Hz flash rate
Flash rate	0.5 Hz / 1 Hz (<i>selectable</i>)
Beacon category / coverage	C-3-15 / 337 m ³ (<i>ceiling variant</i>) W-3.1-11.3 / 396 m ³ (<i>wall variant</i>)
Sounder output	94 to 97 dB(A) at 1 m (<i>as dispatched</i>) Low setting reduces volume by 8 dB
IP rating	IP54
Operating frequency	868 MHz
Output transmitter power	Auto adjusting 0 to 14 dBm (<i>0 to 25 mW</i>)
Signalling protocol	X
Dimensions (Ø x D)	120 mm x 125 mm
Weight	0.65 kg

Regulatory information

Manufacturer	KGS Manufacturing Poland Sp. z o.o. Ul. Kolejowa 24. 39-100 Ropczyce, Poland
Year of manufacture	See serial number label inside unit
Certification	<div> <div> CE 14 0905 </div> <div> UK CA 24 0359 </div> </div>
DoP number	0359-CPR-00294

Approved to	EN54-3 EN54-23 EN54-25
Location	Type A: For indoor use
European Union directives	EMS declares that this device is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: firesecurityproducts.com
<div>  </div>	2012/19/EU (<i>WEEE directive</i>): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see recyclethis.info Dispose of your batteries in an environmentally friendly manner according to your local regulations.

Contact information and product documentation

For contact information or to download the latest product documentation, visit firesecurityproducts.com.

Product warnings and disclaimers

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Ziton wireless sounder beacon installation

General

The Ziton wireless sounder beacon is available under the following part numbers:

PART NO	VARIANT TYPE
ZRW466-3	Red wall sounder beacon (<i>red flash</i>)
ZRC466-3	Red ceiling sounder beacon (<i>red flash</i>)
ZRW466-3W	White wall sounder beacon (<i>red flash</i>)
ZRC466-3W	White ceiling sounder beacon (<i>red flash</i>)
ZRW466-3C	Red wall sounder beacon (<i>clear flash</i>)
ZRC466-3C	Red ceiling sounder beacon (<i>clear flash</i>)
ZRW466-3WC	White wall sounder beacon (<i>clear flash</i>)
ZRC466-3WC	White ceiling sounder beacon (<i>clear flash</i>)

The address of the unit is set when programming the device to the system (*see programming manual for details*).

Pre installation

Installation must conform to applicable local installation codes and should only be installed by a fully trained competent person.

Ensure that the device is installed as per the site survey.

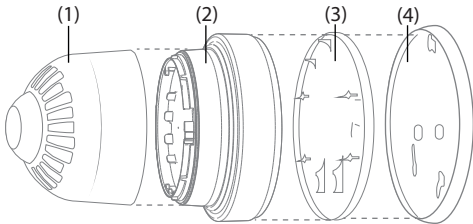
The use of a non-metallic spacer should be considered if mounting the device on to a metal surface.

DO NOT press the log on button on a pre-programmed device, as this will cause communication with the control panel to be lost. Should this happen, delete the device from the system and add it back on.

This device contains electronics that may be susceptible to damage from Electrostatic Discharge (*ESD*). Take appropriate precautions when handling electronic boards.

Care must be taken to ensure the correct type of beacon is used and that it is installed in the correct orientation to provide adequate coverage.

Components



(1) Sounder beacon, (2) Wireless module,
(3) Battery retaining plate, (4) Mounting plate

Figure 1

Fix the mounting plate

Remove the wall mounting plate by turning it counter clockwise. This dis-assembles the mounting plate from the wireless module and head. The mounting plate will now be available for fixing to the wall.

Fix the mounting plate to the wall using suitable fixings and fasteners. A minimum of two mounting holes must be used. (*Figure 2*)

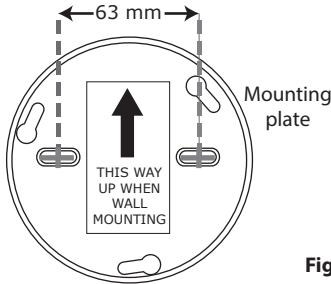


Figure 2

It is important that fastener heads are flush or sub-flush with the internal surface of the ceiling mount to avoid the risk of damaging the battery PCB. (*Figure 3*)

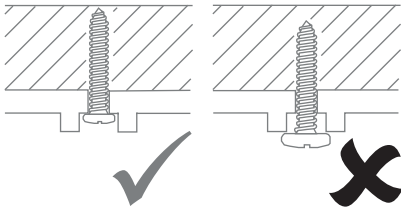


Figure 3

Power the device

Unclip the battery retaining plate from the wireless module.

When fitting / replacing batteries; observe correct polarity, using only specified batteries.

Connect the power jumper across the PIN header. (*Figure 4*)

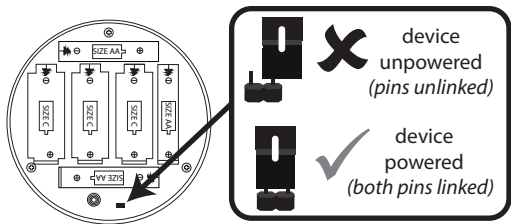


Figure 4

Audio self test feature

An audio self test feature has also been incorporated into the wireless module. This feature can be enabled for each of the sounders primary and secondary tones (*tones 1 and 2*) using the corresponding number on a 2 way switch. The switch location is shown (Figure 5). When enabled the unit carries out tests when operated, by checking the actual sound output. If no sound is detected within 10 seconds of the sounder base being switched on, a fault is indicated at the control panel.

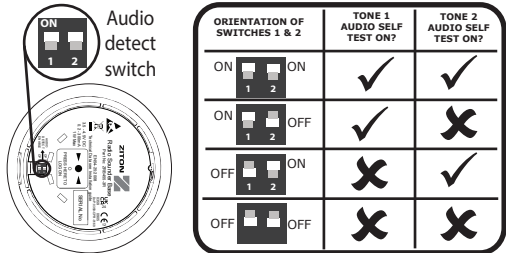


Figure 5

Sounder beacon configuration

The sounder tone pattern and volume plus the beacon flash rate can be configured using the 7 way dipswitch on the bottom of the sounder beacon head.

The location of the dip switches is shown. (Figure 6)

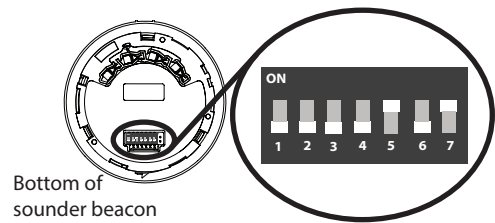


Figure 6

Switches 1-5 determine the sounder tone. See sounder tone table for available tones.

Switch 6 determines the sounder volume and switch 7 sets the beacon flash rate. (Figure 7)

As default the units are supplied with switch 5 and 7 on, selecting 800 Hz / 970 Hz @ 2 Hz sounder tone, with high sounder volume and a 1 Hz flash rate.

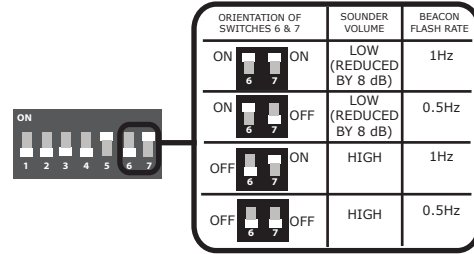


Figure 7

Re-assembling the device

To re-assemble the unit, place the complete wireless module and head section into the fixed wall mount (ensuring that locating lugs line up) and turn clockwise to achieve a positive location.

Ensure that the tamper switch operates correctly. The switch should make contact with the wall mount plate.

Optional device locking

To lock the sounder beacon into the wireless module, remove the cut out section as shown. (Figure 8)

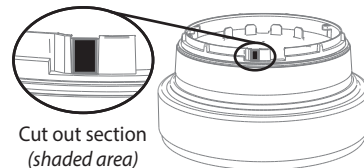


Figure 8

To unlock the device, insert a 1.5 mm allen key to depress the locking clip and turn anticlockwise to release. (Figure 9)

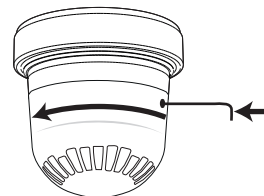


Figure 9

Sounder tone switch settings

TONE	TONE TYPE	TONE DESCRIPTION / APPLICATION	DIP SWITCH 1-2-3-4-5	2ND
1.	— — — —	970Hz	0-0-0-0-0	18
2.	□ □ □ □	800Hz/970Hz @ 2Hz	0-0-0-0-1	1
3.	△ △ △ △	800Hz - 970Hz @ 1Hz	0-0-0-1-0	1
4.	- - - -	970Hz 1s OFF / 1s ON	0-0-0-1-1	1
5.	□ □ □ □	970Hz, 0.5s / 630Hz, 0.5s	0-0-1-0-0	4
6.	□ □ □ □	554Hz, 0.1s / 440Hz, 0.4s (AFNOR NF S 32 001)	0-0-0-1-1	1
7.	△ △ △	500 - 1200Hz, 3.5s / 0.5s OFF (NEN 2575:2000)	0-0-1-0-1	1
8.	- - - -	420Hz 0.625s ON / 0.625s OFF (Australia AS1670 Alert tone)	0-0-1-1-1	9
9.	△ △ △	500 - 1200Hz, 0.5s / 0.5s OFF x 3 / 1.5s OFF (AS1670 Evacuation)	0-1-0-0-0	1
10.	□ □ □ □	550Hz / 440Hz @ 0.5Hz	0-1-0-0-1	19
11.	- - - -	970Hz, 0.5 ON / 0.5s OFF x 3 / 1.5s OFF (ISO 8201)	0-1-0-1-0	1
12.	- - - -	2850Hz, 0.5s ON / 0.5s OFF x 3 / 1.5s OFF (ISO 8201)	0-1-0-1-1	1
13.	△ △ △	1200Hz - 500Hz @ 1Hz (DIN 33 404)	0-1-1-0-0	1
14.	— — — —	400Hz	0-1-1-0-1	18
15.	□ □ □ □	550Hz, 0.7s / 1000Hz, 0.33s	0-1-1-1-0	1
16.	△ △ △	1500Hz - 2700Hz @ 3Hz	0-1-1-1-1	1
17.	— — — —	750Hz	1-0-0-0-0	1
18.	— — — —	2400Hz	1-0-0-0-1	1
19.	— — — —	660Hz	1-0-0-1-0	18
20.	- - - -	660Hz 1.8s ON / 1.8s OFF	1-0-0-1-1	19
21.	- - - -	660Hz 0.15s ON / 0.15s OFF	1-0-1-0-0	19
22.	□ □ □ □	510Hz, 0.25s / 610Hz, 0.25s	1-0-1-0-1	1
23.	□ □ □ □	800 / 100Hz 0.5s each (1Hz)	1-0-1-1-0	1
24.	△ △ △	250Hz - 1200Hz @ 12Hz	1-0-1-1-1	1
25.	△ △ △	500Hz - 1200Hz @ 0.33Hz	1-1-0-0-0	1
26.	△ △ △	2400Hz - 2900Hz @ 9Hz	1-1-0-0-1	18
27.	△ △ △	2400Hz - 2900Hz @ 3Hz	1-1-0-1-0	18
28.	△ △ △	800Hz - 970Hz @ 100Hz	1-1-0-1-1	1
29.	△ △ △	800Hz - 970Hz @ 9Hz	1-1-1-0-0	1
30.	△ △ △	800Hz - 970Hz @ 3Hz	1-1-1-0-1	1
31.	- - -	800Hz, 0.25s ON / 1s OFF	1-1-1-1-0	1
32.	△ △ △	500Hz - 1200Hz, 3.75s / 0.25s OFF (AS2220)	1-1-1-1-1	8