

Specification	
Operating temperature	-10 to +50°C
Storage temperature	-20 to +60°C
Humidity	0 to 95% noncondensing
Supply	3x AA Alkaline (Panasonic LR6AD Powerline / Varta 4006 Industrial) 3x C Alkaline (Panasonic LR14AD Powerline / Varta 4014 Industrial)
Sounder output	99 dB(A) at 1m (as dispatched) Low setting reduces volume by 8 dB
IP rating	IP54
Operating frequencies	868 MHz
Output transmitter power	Auto adjusting 0 to 14 dBm (0 to 25 mW)
Signalling protocol	X
Dimensions (Ø x D)	120 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>  <div>0905</div> </div> <div>  <div>0359</div> </div> </div>
DoP number	0359-CPR-0169 (base) 0359-CPR-0022 (element) 0359-CPR-0170 (element)
Approved to	EN54-3 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
	2012/19/EU (WEEE directive): 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

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 visual indicator installation guide

General

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

PART NO	VARIANT TYPE
ZR455-3R	Ziton red wireless sounder
ZR455-3W	Ziton white wireless sounder
ZR455V-3RR	Ziton red radio sounder with red visual indicator
ZR455V-3RA	Ziton red radio sounder with amber visual indicator
ZR455V-3RC	Ziton red radio sounder with visual indicator

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.

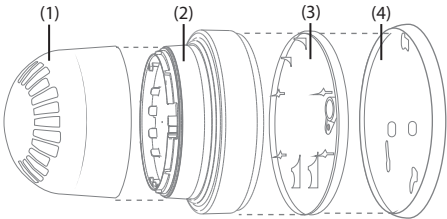
Ensure that the device is installed as per the site survey.

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.

Components



(1) Sounder / visual indicator, (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)

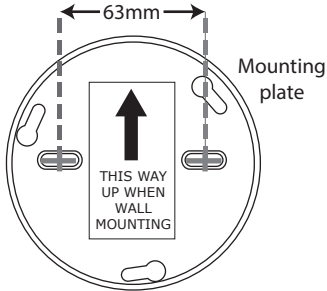


Figure 2

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)

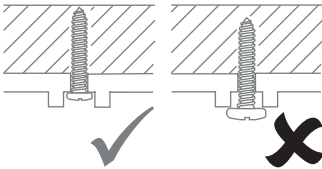


Figure 3

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)

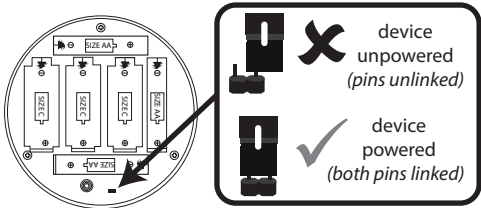


Figure 4

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 in 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.

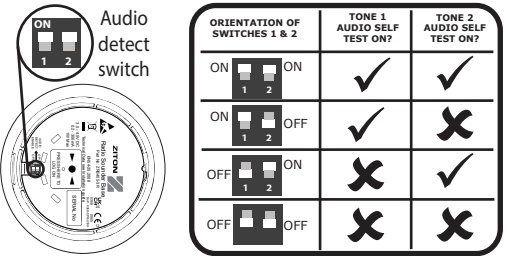


Figure 5

Sounder configuration

The tone pattern of the sounder is selected using the 5 way dipswitch on the bottom of the sounder head. Refer to the table on Page 3 for details of the available tones and the switch settings required to select them. As default the units are supplied with switch 5 on, which selects 800 Hz / 970 Hz at 2 Hz.

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

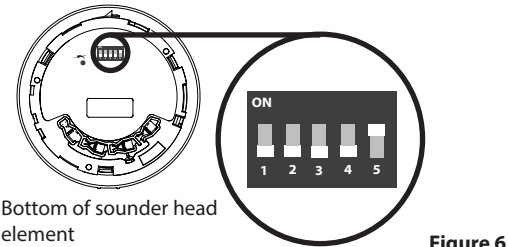


Figure 6

The sound output of the unit can also be reduced by adjusting the potentiometer on the bottom of the sounder head. (Figure 7)

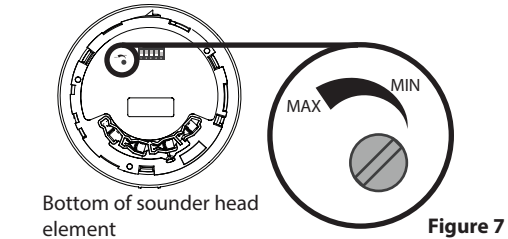
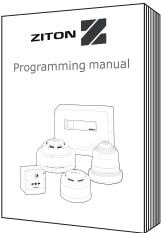


Figure 7

Device address

The device's loop address is configured within the user interface's menu structure.

Refer to the programming manual for full details.



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

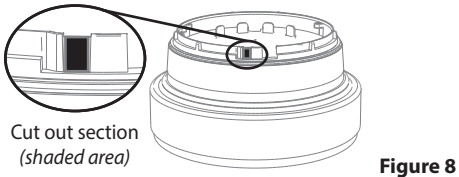


Figure 8

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

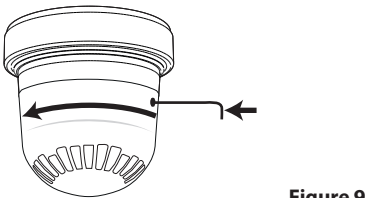


Figure 9

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