

ZITON Wall Sounder VAD:

ZPW766R or ZPW766W
Type A (IP21C)

ZPW767R
Type A (IP33C)*



0333 (AFNOR)

ZPW766R 0333-CPR-075529
ZPW766W 0333-CPR-075530
ZPW767R 0333-CPR-075531

Compliance EN54-3; EN54-23:2010.

Fire alarm device - Visual alarm device.

*Product exceeds minimum requirements of EN54-3/23.

Tested to IP66 at external laboratory, please refer to ENV778 test report. (NB, SPL was not measured).

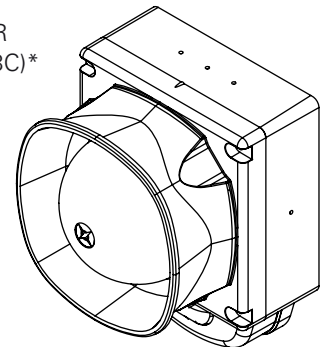
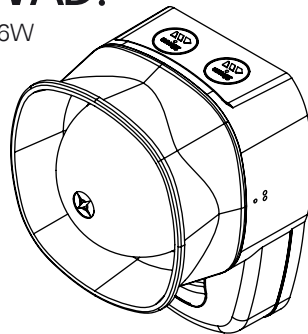
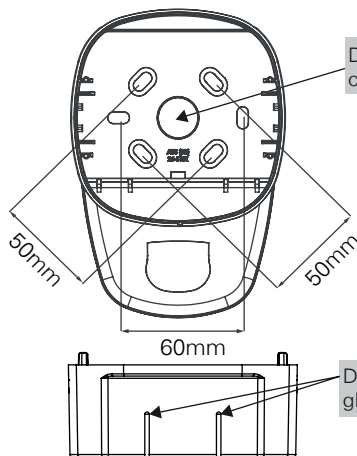


Table 1. Specification

Feature	Value	Feature	Value
Environmental Category	Type A (IP21C)/ Type A (IP33C)*	Operating Current:	
Material (Housing)	ABS FR Plastic	Addressable loop (Aux powered)	6mA pk / 3.3mA rms
Supply Voltage (Addressable)	15.5~20.5V pulsed	Addressable loop (Loop powered)	23~74mA pk / 11~37mA rms @ Max volume
Supply Voltage (Auxiliary)	18~28Vdc	Auxiliary (Supply)	14~43mA pk / 12~33mA rms @ Max volume
Cable Size/type	0.5~2.5mm	Operating Temperature (Type A)	-10°C to +55°C (95%RH)
Standby Current:		Flash:	
Addressable loop (Aux powered)	600µA rms	High Rate	1Hz (0.83Hz if connected to a ZP3 panel)
Addressable loop (Loop powered)	750µA rms	Low Rate	0.5Hz (0.83Hz if connected to a ZP3 panel)
Auxiliary (Supply)	150~300µA rms	Power	See section 4

1a. Mounting Base (IP21C)



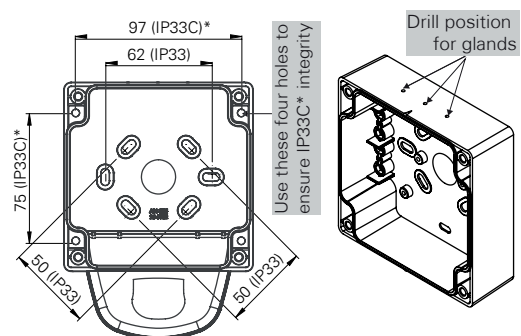
Drill position for rear cable entry

Take Caution Not To Damage PCB When Drilling Holes

- (i) Drill required holes for cable gland fixing.
- (ii) Drill out the required fixing holes.
- (iii) Fix to mounting surface using four suitable screws.

Drill position for glands

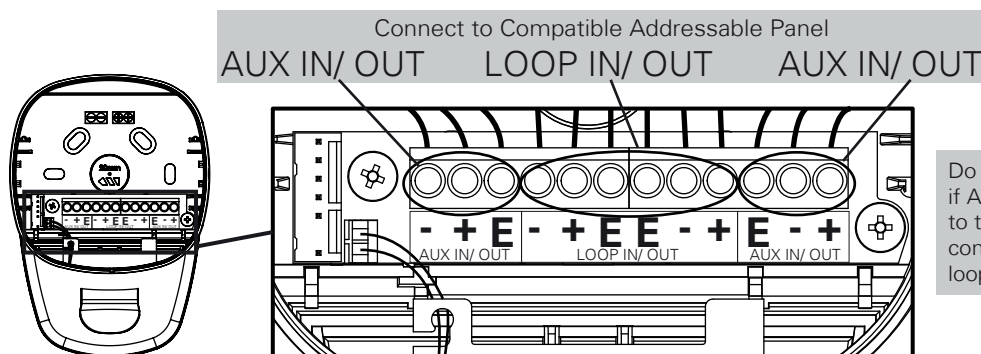
1b. Mounting Base (IP33C)*



Take Caution Not To Damage PCB When Drilling Holes

- (i) Drill required holes for cable gland fixing (top or bottom) and ensure cables are correctly sealed for IP33C* integrity.
- (ii) Fix to mounting surface using four suitable screws.

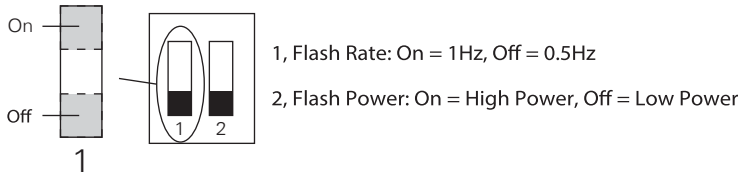
2. First Fix Connection Details



Do NOT use high voltage testers if ANY equipment is connected to the system. Screen must be continuous along entire length of loop.

3. Switch and Link Position Meaning

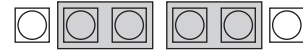
FLASH RATE & POWER



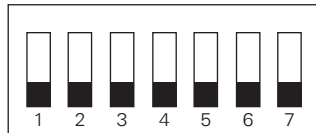
LINK SETTINGS FOR AUX SUPPLY



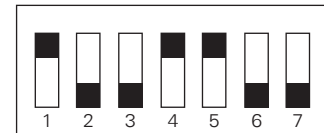
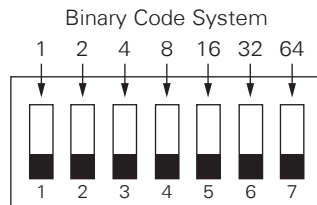
FOR LOOP SUPPLY



DEVICE ADDRESS

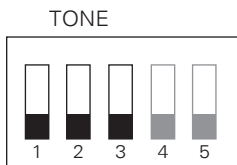


The switch can address device from 1 to 127



Example: Device No. 25

TONE SETTINGS

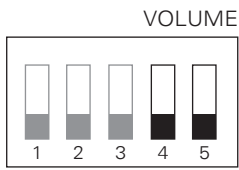


Tone Settings	Primary Warning	Secondary Evacuation	Attention (Nonfire)
0	UK Intermittent	UK Continuous	Class Change
1	UK Continuous	UK Two-Tone	Class Change
2	UK Two-Tone	UK Intermittent	Class Change
3	Australian Whoop	Australian Alert	Class Change
4	Swedish Tone	Dutch Slow Whoop	Class Change
5	ISO8201	French Two-Tone	Class Change
6	German	Visual Indicator Only	Class Change
7	Not Used	Not Used	Not Used

TONE DETAILS

Tone Name	Description	Freq (Hz)	Cycle Time
UK-Continuous [1]	Continuous (UK)	980	Continuous
UK-Intermittent [1]	Intermittent fast 0.5s (UK)	980	1s (1Hz) 0.5s on, 0.5s off
UK-Two-Tone [1]	Two-Tone (UK)	980/670	0.5s tone 1, 0.5s tone 2
Australian Whoop	Australian Slow Whoop Ascending	500 to 980	4s
Australian Alert [2]	Australian Alert ISO7731	440	0.55s on, 0.55s off ± 10%
Swedish Tone[1]	Swedish Fast Pulse	670	0.33-0.55s (3-4Hz) Pulse Ratio >0.35>0.7
Dutch Slow Whoop	Dutch Slow Whoop Ascending	500 to 1200	4s (3.5s on 0.5s off)
ISO8201	Temporal ISO8201 3 Pulse and Wait	980	4s (0.5s on/0.5s off, 1.5s Wait)
French Two Tone	French Two-Tone	554 440	90-100ms 380-420ms =500ms ±5%
German	German Fast Whoop Decending	1200 to 500	1s no "off"
Class Change	3 Tones and Wait	1000, 1200, 1500	4s
Visual Indicator Only	Silent and Visual Indicator Only	N/A	N/A

VOLUME SETTINGS

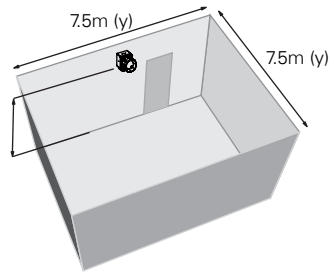


Level Settings	Average dBA
1	88 ±3 dBA
2	91 ±3 dBA
3	94 ±3 dBA
4	97 ±3 dBA (Certified Tones [1])

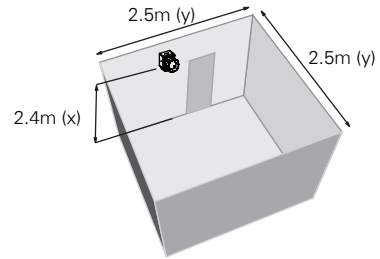
For SPL & other relevant data, refer to doc '10-4211-360-ZVAD-01' (available on request)

4. VAD Coverage Area

High Power Wall Mounted: W-2.4-7.5

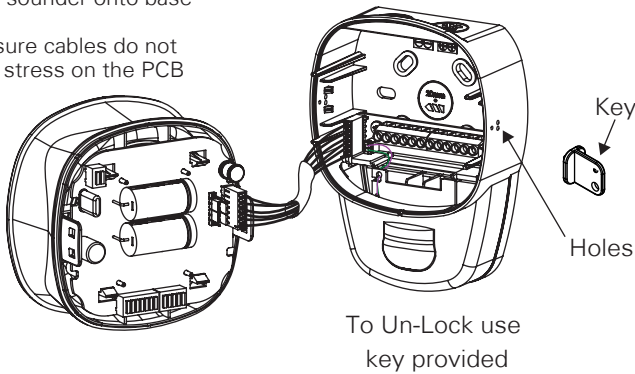


Low Power Wall Mounted: W-2.4-2.5

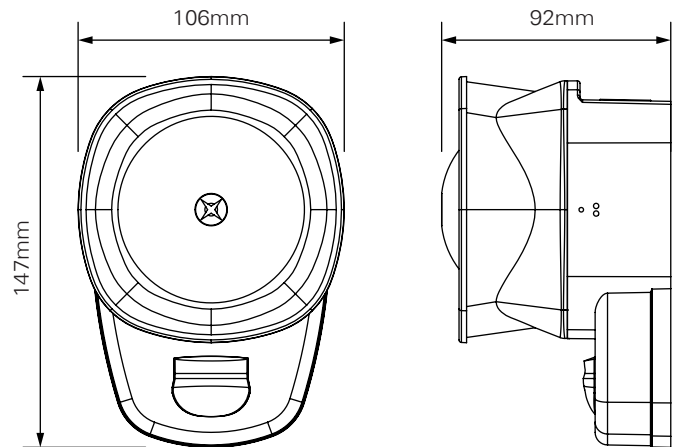


5a. Sounder Assembly

- (i) Plug base connector into Horn assembly as shown
- (ii) Clip sounder onto base
- (iii) Ensure cables do not put stress on the PCB

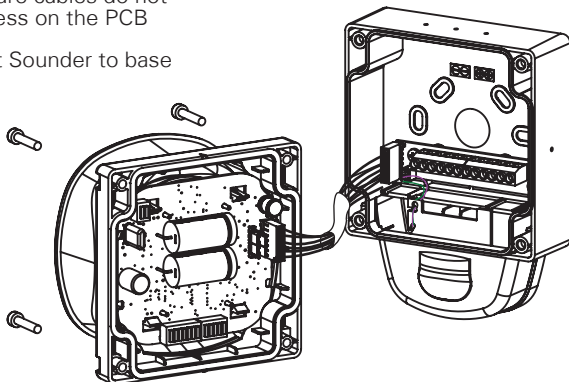


5b. Dimensions (Type A, Indoor)

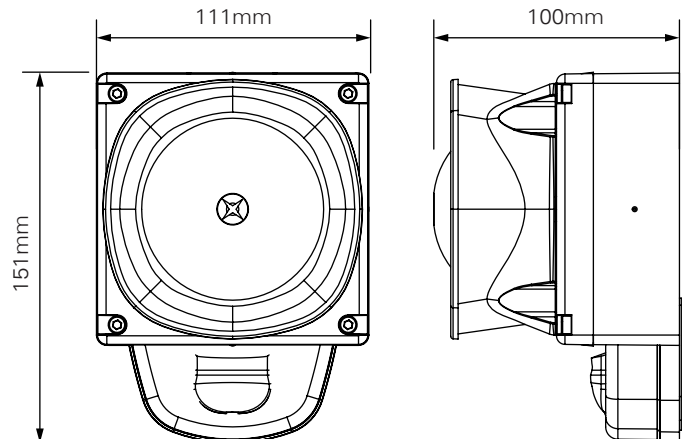


6a. Sounder Assembly (WP version)

- (i) Location ribs must align on base and sounder.
- (ii) Ensure cables do not put stress on the PCB
- (iii) Bolt Sounder to base



6b. Dimensions (Type A, WP version)



Essential Characteristics

Declared performances: Alarm devices – Visual alarm devices (VADs)EN54-23

Operational reliability:

Duration of operation	PASS
Provision for external conductors	PASS
Flammability of materials	PASS
Enclosure protection	PASS
Access	PASS
Manufacturer's adjustments	PASS
On-site adjustment of behaviour	PASS
Requirements for software controlled devices	PASS

Performance parameters under fire condition:

Coverage volume	PASS
Variation of light output	PASS
Minimum and maximum light intensity	PASS
Light colour	RED
Light temporal pattern and frequency of flashing	PASS ZP2 0.5Hz or 1Hz (Selectable) PASS ZP3 0.83Hz
Marking and data	PASS
Synchronization (option with requirements)	PASS

Durability:

Temperature resistance:	PASS
Dry heat (operational)	PASS
Dry heat (endurance)	PASS
Cold (operational)	PASS
Humidity resistance:	PASS
Damp heat, cyclic (operational)	PASS
Damp heat, steady state (endurance)	PASS
Damp heat, cyclic (endurance)	PASS
Shock and vibration resistance:	PASS
Shock (operational)	PASS
Impact (operational)	PASS
Vibration (operational)	PASS
Vibration (endurance)	PASS
Corrosion resistance:	PASS
SO2 corrosion (endurance)	PASS
Electrical stability:	PASS
EMC, immunity (operational)	PASS

Declared performances: Fire Alarm devices – Sounders EN54-3

Performance under fire condition	PASS
Operational reliability	PASS
Durability of operational reliability: temperature resistance	PASS
Durability of operational reliability: humidity resistance	PASS
Durability of operational reliability: corrosion resistance	PASS
Durability of operational reliability: shock and vibration resistance	PASS
Durability of operational reliability: shock and vibration resistance	PASS
Durability of operational reliability: resistance to ingress	PASS

DOP: 360-8116-0001