AMPAC
ADVANCED WARNING SYSTEMS

VTB-VW Wall Sounder VAD Beacon

Features

- 32 selectable sounder tones
- Factory set AS4428-16:2015 compliant tones
- 1Hz Flash rate
- White flash W-2.4-8, Red flash W-2.4-7 coverage
- Shallow body IP21C and deep body IP65C
- Base locking mechanism
- Body colour options - Red and White
- Removal cover on deep base for surface wiring
- Switch selectable beacon only option
- Designed to work with conventional alarm circuits
- Synchronisation between devices
- Switch selectable volume output levels

Description

The VTB-VW wall mount sounder VAD beacon is part of the Vantage family of products and has been designed for fire alarm system applications.

The sounder function, like all the Vantage family of products, is a low profile sounder with 32 selectable tones as standard and is factor set to the Australian compliant AS4428-16 tone. The sounder has the option of a changeover facility from Alert to Evacuate tone, when installed using 3 core cable.

The beacon function is available with white or red flash and has a switch selectable 0.5Hz and 1Hz flash rate.

The VTB-VW is available with red or white body incorporating a shallow or deep mounting base.

Refer tone table for full list of available tones.

Specifications

Volume settings	3 - high, medium & low
Voltage	18 to 30Vdc
Current at Vmax (30 Vdc)	52mA high, 36mA med, 27mA low
Current at Vmin (21 Vdc)	47mA high, 35mA med, 28mA low
Sound output typical	Max 96dB (high)
Sound pattern (Evacuate)	520Hz +/- 5% on a temporal 3 pattern (ISO8201)
Sound pressure (Alert)	520Hz +/- 5%, 1 pulse of tone for 0.5 seconds followed by 3.5 seconds of silence (ISO7731)
Flash rate	0.5Hz and 1Hz
Beacon coverage	W-2.4-8 White flash W-2.4-7 Red flash W-2.4-4 Red & white flash
Temperature range (°C)	-20°C to + 70°C
Monitoring	Reverse polarity
Protection rating (AS7240-3) (BS EN60629)	IP21C (shallow) IP33C (deep) IP65C (deep body)
Dimensions	Ø 94mm x 90mm D (shallow) Ø 94mm x 107mm D (deep)
Boxed weight (kg)	0.22 (shallow) 0.25 (deep)
Body colour	Red or White
Sounder type	Type A
Approval	AS7240-3:2014 AS7240-23:2014

Note, flash rate 0.5Hz and coverage W-2.4-4 are non-approved settings

Item Numbers

4107-5251	VTB-VW White Flash Shallow White Body
4107-5252	VTB-VW White Flash Deep White Body
4107-5253	VTB-VW Red Flash Shallow White Body
4107-5254	VTB-VW Red Flash Deep White Body
4107-5255	VTB-VW Red Flash Shallow Red Body
4107-5256	VTB-VW Red Flash Deep Red Body
4107-5257	VTB-VW White Flash Shallow Red Body
4107-5258	VTB-VW White Flash Deep Red Body

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Tone 20 - Australian Tone SPL Table

Angle	Horizontal Plane dB(A)		Vertical Plane dB(A)	
	Vmin	Vmax	Vmin	Vmax
15°	89.3	89.7	86.8	89.2
45°	93.9	96.6	93.9	96.3
75°	95	97.3	94.8	97
105°	94.6	96.8	94.8	96.7
135°	94.6	97.1	95	97.1
165°	88.7	90.8	88.8	91

Coverage Volume
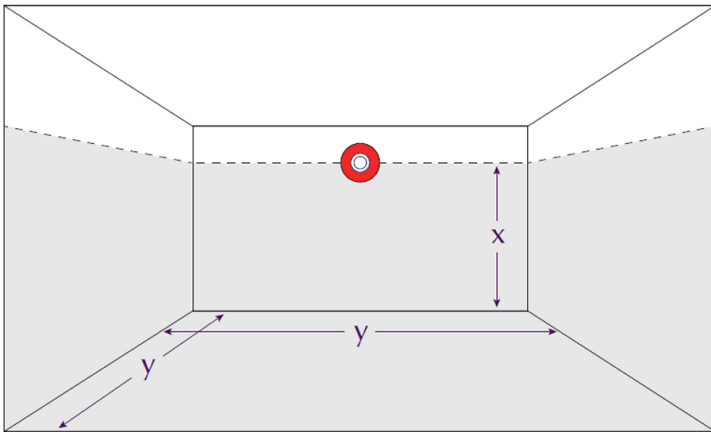
X – The maximum height of the device on the wall in metres with a maximum value of 2.4m.
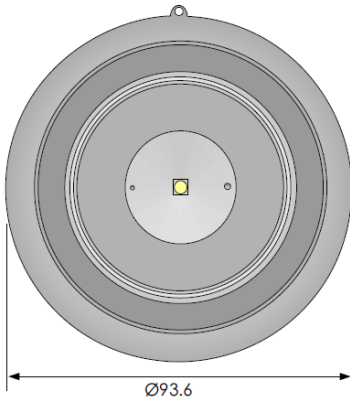
Y – The width in metres of the square volume when the device is mounted to the wall as required height.

VTB-VW white flash -
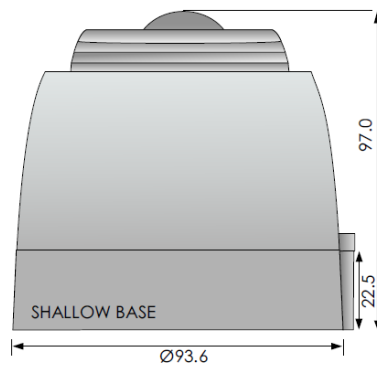coverage cuboid volume of 2.4m x 8m x 8m = 154m³

VTB-VW Red flash -
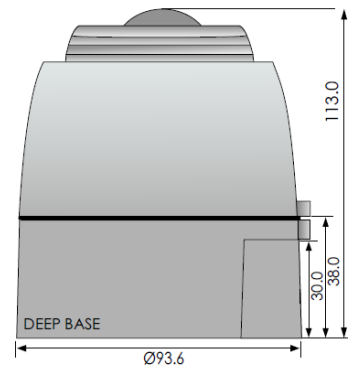coverage cuboid volume of 2.4m x 7m x 7m = 118m³
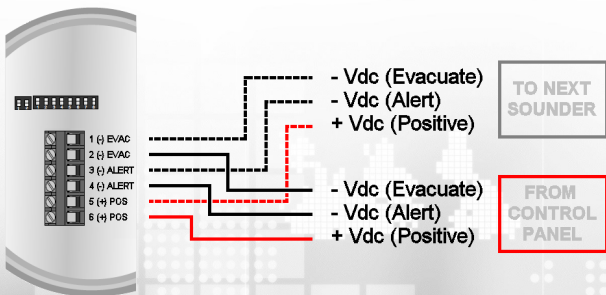
Dimensions

PLAN VIEW

SIDE VIEW

SIDE VIEW

SHALLOW BASE — 97.0 — 22.5 — Ø93.6

DEEP BASE — 113.0 — 30.0 — 38.0 — Ø93.6

Wiring Configuration

1 (-) EVAC
2 (-) EVAC
3 (-) ALERT
4 (-) ALERT
5 (+) POS
6 (+) POS

- Vdc (Evacuate)
- Vdc (Alert)
+ Vdc (Positive)
TO NEXT SOUNDER

- Vdc (Evacuate)
- Vdc (Alert)
+ Vdc (Positive)
FROM CONTROL PANEL

Tone & Volume Select

volume
high   C + D (shown)
medium D + A
low   A + B

volume
tone
Sound 'on/off' selection switch

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