

Fire detection and evacuation solutions that save lives.

# VTB-I Sounder Beacon

## Features

- Shallow body IP21C and deep body IP65C
- Twist and lock bayonet mounting
- 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
- 32 selectable sounder tones
- Factory set AS4428-16:2015 compliant tones

## Description

The VTB-I sounder 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 factory 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 has been designed for maximum all round visibility coupled with low power consumption utilising an array of energy efficient LED's.

The VTB-I is available with red or white body incorporating a shallow or deep mounting base. Both the sounder and beacon functions are fully synchronised.

Refer tone table for full list of available tones.

## Item Numbers

4107-5101	VTB-I Red Lens Shallow Red Body
4107-5102	VTB-I Amber Lens Shallow Red Body
4107-5103	VTB-I Red Lens Deep Red Body
4107-5104	VTB-I Amber Lens Deep Red Body
4107-5105	VTB-I Red Lens Shallow White Body
4107-5106	VTB-I Amber Lens Shallow White Body
4107-5107	VTB-I Red Lens Deep White Body
4107-5108	VTB-I Amber Lens Deep White Body



## Specifications

Volume settings	3 - high, medium & low
Voltage	21 to 28Vdc
Current at Vmax (28 Vdc)	31mA high, 18mA med, 12mA low
Current at Vmin (21 Vdc)	20mA high, 12mA med, 8mA low
Sound output typical	Max 96.7dB (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 and colour	1 Hz (red or amber)
Temperature range (°C)	-20°C to + 70°C
Monitoring	Reverse polarity
Protection rating (AS7240-3) (BS EN60629)	IP21C (shallow body) IP65C (deep body)
Dimensions	Ø 93mm x 90mm D (shallow) Ø 93mm 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

## Tone 20 - Australian Evac Tone SPL Table

Angle	Horizontal Plane dB(A)		Vertical Plane dB(A)	
	Vmin	Vmax	Vmin	Vmax
15°	86.4	89.1	88.5	91.3
45°	97	94.2	94.1	96.9
75°	95.2	97.9	95.3	98.1
105°	95.1	97.9	95.1	97.9
135°	95.2	98	95.3	98.1
165°	89.2	91.9	89.2	91.9