

6000/TSR/VAD Addressable Wall Mounted Talking Sounder VAD

- LED Technology for Long Service Life
- Cost effective installation solution (Talking Sounder and Visual Alarm Device (VAD) in one device)
- Quick and Simple to Install
- FAST™ Addressing
- Loop Powered and Integral Short Circuit Isolator
- High Output Electronic Sounder
- 2.4 Metres (m) Mounting Height
- Approved to EN54 Part 17 & 23



The Protec 6000/TSR/VAD is a loop driven, addressable high intensity Visual Alarm Device (VAD) with up to 7m room coverage and a high output electronic sounder with up to 100dB(A) at 1m. Combining the two functions in one compact high efficiency design improves the aesthetic appearance and simplifies the installation of the device.

By utilising the Protec Algo-Tec™ 6000 protocol, the 6000/TSR/VAD offers best in class performance in terms of flexibility, power consumption, sound output and visual indication.

The device is designed for installation at a height of up to 2.4m and adjustable from 3m to 7m room coverage to suit all applications, similarly the spoken message and volume options are also selectable by the control panel.

For smaller areas, the device can be reduced from 7m to 3m thereby reducing power consumption and maximising the number of devices on the loop.

The product has a unique lens that distributes the light in a cuboid shape to achieve the required illumination of 0.4lux/m² over the entire area in accordance with EN54 Part 23.

The design is based on LED technology for long life, reliability and low power consumption.

The 6000/TSR/VAD has a EN54-23 Type B Outdoor + IP65 rating making the product suitable for mounting internally or externally.

Compliant with DDA legislation, this high intensity VAD warns those with hearing impairments or in noisy environments.

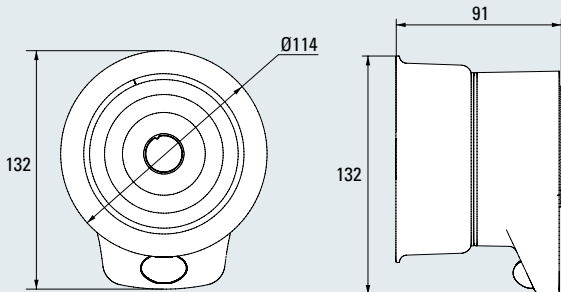
Order Codes
6000/TSR/VAD
6000/TSW/VAD

Technical Specification

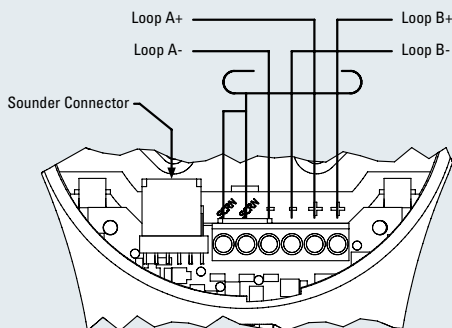


15LHK0960-01

Dimensions (mm)



Wiring Diagram



Technical Specification

Environment	-10 to 50°C, 95% R.H (non condensation or icing)
Ingress Protection	EN54-23 Type B Outdoor + IP65
Weight (excluding base)	315g
Loop Powered	Yes
Voltage	18 - 28V
Loop Standby Load	0.6mA
Peak Loop Alarm Load	27mA
Mounting Height (x)	2.4 metres
Coverage(y)	7m configurable to 3m
Coverage Volume Code	W-2.4-7 (117.6m ³)
Flash Rate	0.5Hz white flash
Isolator	Yes
Product Approval	CoCP No: 0359-CPR-0409 DoP No: PFD-CPR-0103 (TSR) DoP No: PFD-CPR-0104 (TSW) Relevant Standard: EN54 Part 17 & 23



Design Guidance

Protec VAD's have been approved to BS EN 54-23 and use the rating codes below:

W-x-y (eg W-2.4-7)

Where:

- W** is wall mounted
- x** is the maximum height (M)
- y** is the illumination diameter for the cylindrical volume (M)

BS EN 54-23 approved VAD's are approved as ceiling mounted and must provide a minimum illumination level of 0.4 lux for the stated volume

Table A: Direct Viewing

Coverage volumes for various ambient light levels (lux)

BS EN54-23 Rating	W-2.4-7
Mounting Position	Wall
Less than 100 lux	36.4m x 36.4m
100 - 200 lux	30.8m x 30.8m
200 - 300 lux	22.4m x 22.4m
300 - 400 lux	16.1m x 16.1m
400 - 500 lux	12.6m x 12.6m
500 - 600 lux	9.1m x 9.1m
600 - 700 lux	7m x 7m
700 - 800 lux	4.9m x 4.9m

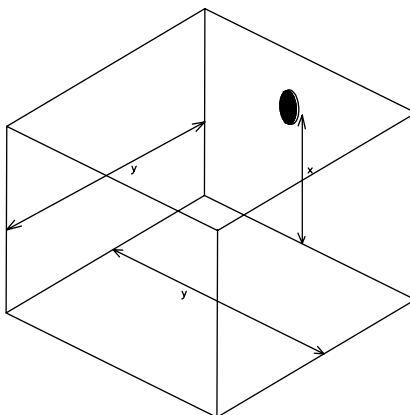
Table B: Indirect Viewing

Coverage volumes for various ambient light levels (lux)

BS EN54-23 Rating	W-2.4-7
Mounting Position	Wall
Less than 100 lux	12.6m x 12.6m
100 - 200 lux	11.9m x 11.9m
200 - 300 lux	9.8m x 9.8m
300 - 400 lux	8.4m x 8.4m
400 - 500 lux	7m x 7m
500 - 600 lux	6.3m x 6.3m
600 - 700 lux	*
700 - 800 lux	*

Coverage volumes height, diameter length and width dimensions are in metres.

* Where ambient light levels may, at any time, exceed 600 lux, direct viewing is preferred (CoP 001 clause 4.6.9.4)



Tone Options

- Bell Tone: 800Hz
- Warble Tone: 990Hz(250ms), 665Hz(250ms)
- Continuous Tone: 990Hz
- Pulse Tone: 990Hz(500ms), Silence(500ms)

Tone Volume Options

The tone and volume are selectable at the control panel (measured at one metre):
High: 100dB(A), Mid: 95dB(A), Low: 75dB(A)

Talking Sounder Message Set

Please refer to MED2055 Talking Sounder Table.

