

- **FAST™ Addressing**
- **Integral Short Circuit Isolator**
- **Loop Powered**
- **2.4 metres (m) Mounting Height**
- **Adjustable from 7.5m to 5m or 3m Room Coverage Volume**
- **Adjustable Flash Rate**
- **Approved to EN54 Part 17 & 23**



The Protec 6000/VAD/W addressable wall mounted visual alarm device is a loop driven, addressable high intensity VAD designed to EN54-23.

The device is categorised for installation at a height of up to 2.4m and room coverage of 7.5m x 7.5m (W-2.4-7.5).

For smaller areas, the device can be switched down from 7.5m to 5m or 3m thus reducing power consumption and maximising the number of devices on the loop. The low power modes are software programmable.

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

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

The 6000/VAD/W has a Type B (IP33C) + IP65 rating making the product suitable for mounting internally or externally.

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

This device is available in a white or red housing with a white flash rate of 1 or 0.5Hz.

**Order Codes**

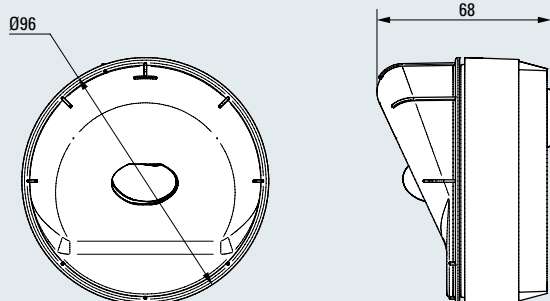
6000/VAD/W/RED

6000/VAD/W/WHITE

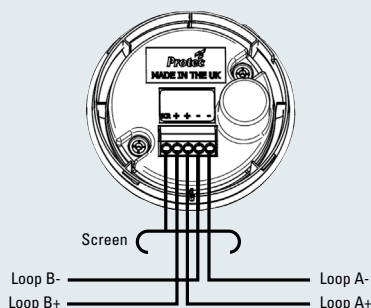
# Technical Specification



## Dimensions (mm)



## Wiring Diagram



## Technical Specification

Environment	-10 to 50°C, 95% R.H. (non condensation or icing)
Ingress Protection	Type B (IP33C) + IP65
Weight	125g
Loop Powered	Yes
Voltage	18 - 28V
Loop Standby Load	0.8mA
Loop Peak Alarm Load	19mA
Mounting Height (x)	2.4m
Coverage(y)	7.5m adjustable to 5m or 3m
Coverage Volume Code	W-2.4-7.5
Flash Rate	1 or 0.5Hz white flash
Isolator	Yes
Relevant Standard	EN54 Part 17 & 23, AS 7240 Part 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-2.4-7.5)

Where:

**W** is wall mounted

**x** is the maximum height (M)

**y** is the horizontal distance of the square volume covered (Length x Width) (M)

BS EN 54-23 approved VAD's are approved as wall 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-2.4-7.5
Mounting Position	Wall
Less than 100 lux	39m x 39m
100 - 200 lux	33m x 33m
200 - 300 lux	24m x 24m
300 - 400 lux	17.25m x 17.25m
400 - 500 lux	13.5m x 13.5m
500 - 600 lux	9.75m x 9.75m
600 - 700 lux	7.5m x 7.5m
700 - 800 lux	5.25m x 5.25m

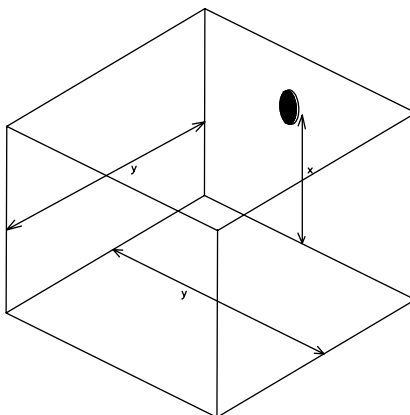
## Table B: Indirect Viewing

Coverage volumes for various ambient light levels (lux)

BS EN54-23 Rating	W-2.4-7.5
Mounting Position	Wall
Less than 100 lux	13.5m x 13.5m
100 - 200 lux	12.75m x 12.75m
200 - 300 lux	10.5m x 10.5m
300 - 400 lux	9m x 9m
400 - 500 lux	7.5m x 7.5m
500 - 600 lux	6.75m x 6.75m
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)



## Model References

Product Code	Colour Options
6000/VAD/W/RED	Red Body (White Flash)
6000/VAD/W/WHITE	White Body (White Flash)
<b>NOTE:</b> All the Model References are loop powered addressable LED VAD's, supplied with a low profile base. An optional deep base can be purchased separately to allow surface wiring to be terminated directly into the base.	
29-982-75	Red Deep Base
29-983-76	White Deep Base

## Deeper Base Dimensions (mm)

