

# EN54-23 VAD Range FBC200 & FBW200 Series



## Product Overview

Elmdene's EN54-23 ceiling and wall mounted Visual Alarm Devices (VAD's) for Fire systems are LPC certified products capable of the following performance:

	Ceiling Mounted	Wall Mounted
Full Range:	C-3-15 (529.9m <sup>3</sup> )	W-2.4-9.5 (216.6m <sup>3</sup> )

If used within a smaller area they can be simply switched to:

	C-3-5.2 (63.68m <sup>3</sup> )	W-2.4-7 (117.6m <sup>3</sup> )
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If the reduced range is utilised this also has the benefit of reducing the current consumption of the device which is sometimes critical when trying to minimise the power budget of a system. The flash rate of the VAD's is also selectable between 0.5Hz and 1Hz using a simple DIL switch, again offering a reduced power draw.

The devices have a wide input power range of 16V to 33V dc with dual connector pairs providing simple connection when wiring multiple devices. When more than one device is being installed they are automatically synchronized via the internal clock.

The FBx 200 series is offered in either Red or White with a choice of 3 bases:

- Low Profile - IP33 Rating
- Deep Base (opposite cable entries) - IP35 Rating
- Deep Base (adjacent cable entries) - IP35 Rating

A feature of the devices is that all wiring is conducted within the base of the VAD, this allows 'first fix' wiring to be completed prior to the LED heads being mounted on the bases.

## Features

- Wall and Ceiling mounting models
- Neat compact designs
- LPC Approved to EN54-23:2010
- Low power LED technology
- Available in a choice of colours (Red or White)
- 3 styles of base available
- Simple 'twist on' design for VAD heads
- Simple to install
- Wide input power range (16-33V dc)
- Selectable flash rate and range for smaller areas or if power saving required
- Powered and synchronized from internal clock
- 3 Years warranty



## Specification

Operating voltage: Nominal 24V dc (16V to 33V dc)

Operating current (**0.5Hz Flash Rate**):

Ceiling Type: 28mA @ C-3-15 / 20mA @ C-3-5.2

Wall Type: 28mA @ W-2.4-9.5 / 20mA @ W-2.4-7

Operating current (**1Hz Flash Rate**):

Ceiling Type: 49mA @ C-3-15 / 29mA @ C-3-5.2

Wall Type: 49mA @ W-2.4-9.5 / 29mA @ W-2.4-7

Emitter: LED x 1

FBC200 Head Size: 100 x 100 x 15 (mm)

FBW200 Head Size: 100 x 100 x 20 (mm)

Low Profile Base: 100 x 100 x 22 (mm)

Deep Bases: 100 x 100 x 50 (mm)

Colour: White or Red

Installation environment: Indoor Type A VAD

Cable connection: 2.5mm<sup>2</sup> cross sectional area

Terminal connection: 4 terminals ++ / --

## Part Numbers

Ceiling Mount: *FBC200-3-15-x*

Wall Mount: *FBW200-2.4-9.5-x*

Low Profile Base: *FB200-LPB-x*

Deep Base Adjacent Entries: *FB200-DB1-x*

Deep Base Opposite Entries: *FB200-DB2-x*

Where x = W (White) or R (Red)

## Approvals

RoHS Compliant

CE marked

LPC Approved EN54-23:2010 Compliant

