

## EN54-23

### Intelligent Detector Base Sounder Strobe (VAD) EN54-23 C Category Premium and Standard Options

EN54-23



Detector purchased separately

NOTIFIER by Honeywell's Detector Base Sounder Strobe (VAD) is a modular, high-output loop powered device intended to alert building occupants of a potential fire. The device is available in two variants - premium and standard options.

Approved to EN54-3, EN54-17, EN54-23, it enables a complete, fully compliant and cost-effective fire alarm system by reducing installation and commissioning costs through fewer wiring points.

The NOTIFIER by Honeywell solution is backwards compatible enabling easy system extensions in legacy and new projects, thereby providing the highest level of protection for all building occupants – from a trusted brand.

*Important Note: To achieve an IP21C rating, the provided seal must be fitted to the product.*

#### Certifications



VdS (pending)

#### Features

- › Premium & standard offering provides flexible solution to suit all space requirements
- › Global & approved 32 tone set, selectable from device or from panel
- › Automatic synchronization of sounder and strobe
- › Utilises Advanced Protocol for sound & light output control, tone selection & group polling
- › Maximum light & sound output with efficient power consumption enables more devices on a loop
- › Premium device with high light coverage reduces wiring points
- › Single point of installation - saves time, cost & inventory
- › Red flash - industry preferred colour for evacuation
- › Independently approved to all required standards:
  - Manufacturing: Construction Products Regulation (CPR).
  - Product performance: Approved to EN54-3, EN54-23, EN54-17
- › Environmental: RoHS, WEEE, REACH
- › Large cable access, rear or surface cable entry
- › Adjustable sound, light & tones to suit varying installation applications
- › Simple twist fit onto universal B501AP base
- › Rotary wheels & address tags for clear address indication
- › Loop continuity spring supports first fix installation
- › Meets detector spacing thereby reducing requirement for additional strobe devices
- › Fewer wiring points for cost effective installation and simplified system maintenance
- › Modular design allows individual components to be replaced separately
- › Backwards compatibility with red flash, B501 base, Advanced Protocol ensures new & old devices can work on the same loop

## Applications



**Office buildings**



**Public buildings**



**Bathrooms**



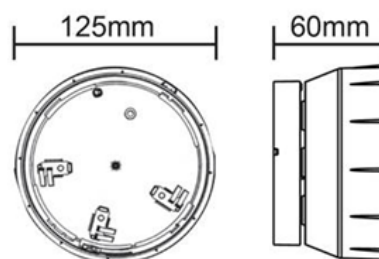
**Hotels**



**Noisy environments**

## Technical Overview

NOTIFIER by Honeywell's EN54-23 approved Detector Base Sounder Strobe (VAD) provides the perfect base for System Sensor detectors and integrates a 32 tone sounder and high-quality strobe into one device. It is powered by the fire panel via the loop wiring. Operation and control of the device is via Notifier OPAL Protocol or CLIP Protocol. The device is installed simply by a twist fit onto the universal B501AP base.



### ELECTRICAL SPECIFICATION

**Supply Voltage:**  
15 to 29 VDC (Isolation)

**Standby Current:**  
150 uA maximum

**Sound Output, typical:**  
95dB (A) ±3dB @ 1metre  
(Tone 3, high volume @ 24V)

**Strobe Flash Rate:**  
0.5 Hz / 1 Hz (Legacy mode)

### ENVIRONMENTAL SPECIFICATION

**Operating Temp:**  
-10°C to 55°C

**Relative Humidity:**  
93% ± 3%, non-condensing

**Ingress protection:**  
IP21C (with low profile B501AP base and IP Seal)

### MECHANICAL SPECIFICATION

**Colour:** Pure white

**Lens Colour:** Clear

**Flash colour:** Red

**Weight net/ gross:**  
275g / 295g

**Cable Terminal Size:**  
1.5 - 2.5mm<sup>2</sup> max

**Number of Tones:** 32

**Volume Setting:** High, Low

**Mounting Options:**  
Low profile

### EN54-23 VAD PERFORMANCE

DETECTOR BASE STROBE	PREMIUM DEVICE NFXI-BSF-WCH			STANDARD DEVICE NFXI-BSF-WCS	
	Operation Mode	High Output Mode	Lower Power Mode	Legacy Mode	Standard Mode
EN 54-23 Coverage volume code	C-3-15	C-3-11	O-1-4	C-3-8.5	O-1-3
Installation height (X)	3m	3m	1m	3m	1m
EN 54-23 Coverage (Y)	Cylinder Ø = 15m	Cylinder Ø = 11m	Cylinder Ø = 4m	Cylinder Ø = 8.5m	Cylinder Ø = 3m
EN54-23 Coverage Volume	530 m <sup>3</sup>	285 m <sup>3</sup>	4 m <sup>3</sup>	170 m <sup>3</sup>	7 m <sup>3</sup>
Flash rate	0.5 Hz	0.5 Hz	1 Hz	0.5 Hz	1 Hz
Operating voltage range	15 to 29V	15 to 29V	15 to 29V	15 to 29V	15 to 29V
Typical Max Current Consumption @ 24V, Tone 3 @ high volume	27mA	18.5mA	8mA	18mA	8mA
Flash Colour	Red	Red	Red	Red	Red
Mounting	Ceiling Mount: C-Category		Open category	Ceiling Mount	Open category

### ORDERING INFORMATION

Product Code	Premium Product NFXI-BSF-WCH	Standard Product NFXI-BSF-WCS

### APPROVALS

EN54-3 Sound

EN54-23 Light

EN54-17 Short circuit Isolator

For RoHS, WEEE & REACH information please visit [notifierfiresystems.co.uk](http://notifierfiresystems.co.uk)

### ACCESSORIES

B501AP - Low profile, pure white base

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