

EN54-23

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

Honeywell Morley-IAS'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 Honeywell Morley-IAS 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.



Detector purchased separately

FEATURES AND BENEFITS

- Premium and 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
- Maximum light and 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.

APPLICATIONS



OFFICE
BUILDINGS



PUBLIC
BUILDINGS



BATHROOMS



HOTELS



NOISY
ENVIRONMENTS

CERTIFICATIONS



VdS (pending)

TECHNICAL OVERVIEW

Honeywell Morley-IAS'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.

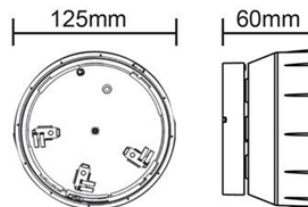
It is powered by the fire panel via the loop wiring. Operation and control of the device is via System Sensor Advanced or CLIP Protocol. The device is installed simply by a twist fit onto the universal B501AP base.

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)

ELECTRICAL SPECIFICATION

- Supply Voltage: 15 to 29 VDC (Isolation)
- Standby Current: 150 uA maximum
- Sound Output, typical: 96dB (A) ±3dB @ 1metre (Tone 3, high volume @ 24V)
- Strobe Flash Rate: 0.5 Hz / 1 Hz (Legacy mode)



EN54-23 VAD PERFORMANCE

DETECTOR BASE STROBE	PREMIUM DEVICE MI-BRH-PC-I / BRH-PC-100			STANDARD DEVICE MI-BRS-PC-I / BRS-PC-100	
	High Output Mode	Lower Power Mode	Legacy Mode	Standard Mode	Legacy 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 ³	285 m ³	4 m ³	170 m ³	7 m ³
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		Ceiling Mount - Open category	Ceiling Mount - C-Category	Ceiling Mount - Open category

Morley-IAS Protocol

ORDERING INFORMATION

Product Code	Premium Product	Standard Product
	MI-BRH-PC-I	MI-BRS-PC-I

System Sensor Protocol

ORDERING INFORMATION

Product Code	Premium Product	Standard Product
	BRH-PC-100	BRS-PC-100

APPROVALS

EN54-3 Sound
 EN54-23 Light
 EN54-17 Short circuit Isolator
 For RoHS, WEEE & REACH information please visit www.morley-ias.co.uk

ACCESSORIES

B501AP - Low profile, pure white base

Honeywell Morley-IAS

140 Waterside road
 Hamilton industrial Estate
 Leicester
 LE5 1TN, UK
www.morley-ias.co.uk

We reserve the right to amend the content of this document without prior notice.

CP | Rev 3 | 02/21
 © 2021 Honeywell International Inc.