

KAC Audible Visible Range

Intelligent Detector Base Sounder Strobe EN54-23 "C" Category Premium and Standard Options

> Product Overview

KAC's Detector Base Sounder Strobe 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 KAC 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.



> Certification



VdS (pending)

> Product Benefits

Fully compliant & efficient evacuation solution

- 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

Exceptional performance enabling cost-effective fire system

- 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

Quality & reliability from a trusted supplier

- 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

Flexible, simplified & fast installation

- 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

Reduced inventory count, lower cost of ownership

- 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

KAC

BRH_BRS
Rev. No. 1

Technical Overview

KAC's EN54-23 approved Detector Base Sounder Strobe 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.

Electrical Specification

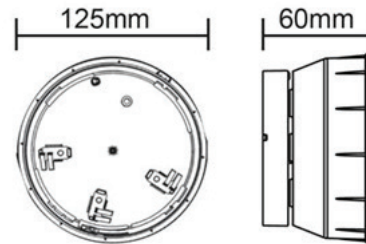
Supply Voltage:	15 to 29 VDC (Isolation)
Standby Current:	150 uA maximum
Sound Output, typical:	95dB (A) ±3dB @ 1metre (Tone 3, high volume @ 24V)
Strobe Flash Rate:	0.5 Hz 1 Hz (Legacy mode)

Mechanical Specification

Colour:	Pure white
Lens Colour:	Clear
Flash colour:	Red
Weight net/ gross:	275g / 295g
Cable Terminal Size:	1.5 - 2.5mm ² max
Number of Tones:	32
Volume Setting:	High, Low
Mounting Options:	Low profile

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)



Approvals

Approved To:	EN54-3 Sound EN54-23 Light EN54-17 Short circuit Isolator For RoHS, WEEE & REACH information please visit www.kac.co.uk
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EN54-23 VAD Performance

Detector Base Sounder Strobe	Premium Device - BRH-PC-lxx			Standard Device - BRS-PC-lxx	
	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
EN 54-23 Coverage Volume	530 m ³	285 m ³	12 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

Ordering Information

Product Code		Detector Base Sounder Strobe	Flash Colour	VAD Output	Body Colour	Lens Colour	Isolation	Protocol
Premium Product	BRH-PC-lxx	B= Base	R= Red	H= High Output	P= Pure White	C= Clear	I= Isolated	xx= customer protocol
Standard Product	BRS-PC-lxx	B= Base	R= Red	S= Standard	P= Pure White	C= Clear	I= Isolated	xx= customer protocol

xxCustomer ID

Accessories

Base (supplied separately)	Description	Body Colour
B501-AP	Low profile base	Pure White

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BRH_BRS
Rev. No. 1
January 2021