

# KAC Audible Visible Range

## Intelligent Detector Base Sounder Strobe - EN54-23 Open Category

### > Product Overview

KAC's EN54-23 Detector Base Sounder Strobe is a high quality loop powered device intended to alert building occupants of a potential fire. Approved to meet EN54-23, the European standard for Visual Alarm Devices, it utilizes the System Sensor B501AP base for enhanced installation flexibility and integrates seamlessly with System Sensor intelligent detectors. When triggered by the fire panel, its powerful sounder and intense strobe give a visible and audible warning. A choice of sound output levels and tones make the device suitable for a wide variety of applications.

### > Certification



**EN54-23**  
Approved  
Open Class



\* Detector purchased separately

### > Product Benefits

#### Excellent system performance

- High output LED technology ensures optimum light output and low power requirements
- High efficiency piezo disk and horn profile generate powerful sound output
- Features Advanced protocol controllable sound output, tone selection, group polling, independent sound or strobe function
- Automatic synchronization of sounder and strobe

#### Simple, fast installation

- Large cable access
- Rear or surface cable entry
- Loop continuity spring

#### Reduced install errors & easy diagnosis

- Simple twist fit onto universal B501AP base (positive "poke yoke" engagement)
- Anti-tamper feature
- In-built isolation options
- Address tag for clear indication

#### Quality & reliability

- Independently approved to all required standards:
  - Manufacturing: Construction Products Regulation (CPR).
  - Product performance: Approved to EN54-3, EN54-23, EN54-17
  - Environmental: RoHS, WEEE

#### Flexible, cost effective system design

- Single point of installation – saves time, cost & inventory
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Rotary wheels for clear address indication

#### Reduced inventory count

- Common base with detectors (B501AP)
- Device protocol is backward compatible through inclusion of both System Sensor CLIP and Advanced Protocols
- Global 32 tone set (selectable from device or from panel)

### > Applications



# KAC

DBSS  
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 32VDC (Non Isolation)  
15 to 29 VDC (Isolation)

Standby Current: 450µA maximum

Current Consumption Sounder and Strobe:  
10mA  
(High Volume Tone 13 @ 24V)

Sound Output: 96dB (A) ±3dB @ 1metre  
(High Volume, Tone 13 @ 24V)

Strobe Flash Rate: 1Hz

## Environmental Specification

Operating Temp: -25°C to 70°C

Relative Humidity: 93% ± 3% non-condensing

Ingress Protection: IP21C (with low profile B501AP base)\*

## Approvals

Approved To: EN54-23 Open Category  
EN54-3  
EN54-17 Short circuit Isolator

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

## Mechanical Specification

Colour: Pure white

Lens Colour: Clear

Flash Colour: Red

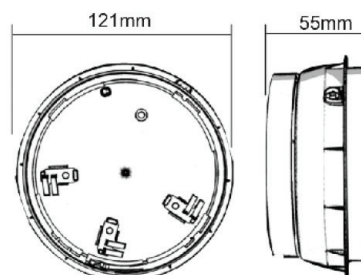
Weight net/gross: 199g / 229g

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

Number of Tones: 32

Volume Setting: High, Medium, Low

Mounting Options: Low profile\*



## Ordering Information

High Output Beacon	Body Colour	Lens Colour	Isolation	Customer ID
DSS-PC-I**	P=Pure White	C=Clear	I=Isolation	0-99
DSS-PC-N**	P=Pure White	C=Clear	N=Non-Isolation	0-99

\*\* Customer ID

Bases	Description	Body Colour
B501-AP*	Low profile base	PW=Pure White
BPW*	Deep profile base	PW=Pure White

\* Bases purchased separately

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