

# KAC Audible Visible Range

## Intelligent Detector Base Sounder

### > Product Overview

KAC's base sounder is a high quality loop powered device designed to alert building occupants of an emergency. It utilizes the System Sensor B501AP base for improved installation flexibility and integrates seamlessly with SS intelligent detectors. When triggered by the fire panel its powerful sounder gives an audible warning. A choice of output levels and tones make the device suitable for a wide variety of applications.

### > Certification



### > Product Benefits

#### Faster installation

- Large cable access
- Rear or surface cable entry
- Loop continuity spring
- Automatic synchronisation of sounder

#### Flexible installation

- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Intense strobe output
- Deep and high IP base options
- Pure White or Ivory body colours

#### Reduced install errors and easy fault finding

- Positive "poke yoke" engagement
- Address tag for clear indication
- Anti-tamper feature
- In-built isolation options
- Simple familiar rotary wheel address controls

#### Reduced full life costs

- High quality robust materials for longer life
- UV stable materials
- Robust construction for added impact resistance

#### Reduced inventory count

- Common base with detectors (B501AP)
- Device protocol is backward compatible through inclusion of both SS CLIP and Advanced Protocols
- 32 tone selection to cover many markets (on device or from panel)

#### Excellent system performance

- High efficiency piezo disk and horn profile generate excellent sound output
- Advanced protocol enabled controllable sound output, tone selection.

### > Applications



# KAC

DBSO  
Rev. No.1

## Technical Overview

The KAC DB sounder is a high quality 32 tone sounder featuring fast and simple installation and control and forms the perfect base for SS detectors. It is powered by the fire panel via the loop wiring. Control of the device is enabled using on-board switches some of which can also be adjusted through SS Advanced Protocol. The device is installed simply by a twist fit onto the B501AP base.

## Electrical Specification

Supply Voltage:	15 to 32VDC (Non-isolation) 15 to 28VDC (Isolation)
Standby Current:	120µA (Non-Isolation) 225µA (Isolation)
Max current consumption sounder and strobe:	< 10.5mA (High Volume Tone 21 @24V)
Max Sound Output	95dB(A) +/-3dB @1metre (High Volume, Tone 8 @24V) [Tone Dependant - Figure stated is based on high volume 970Hz continuous @24VDC]

## Environmental Specification

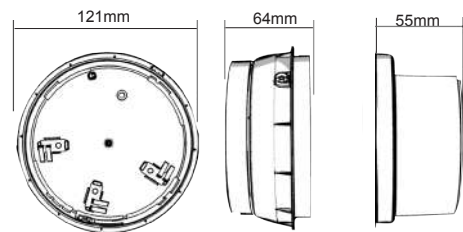
Operating Temp:	-25°C to 70°C
Relative Humidity:	Up to 95% non-condensing
Ingress Protection:	IP24 (with low profile base) IP44 (with surface mount base) IP65 (Waterproof base)

## Approvals

Approved to:	EN54-3, EN54-17, where applicable and CPD
For RoHS, WEEE & REACH information please visit <a href="http://www.kac.co.uk">www.kac.co.uk</a>	

## Mechanical Specification

Colour:	Pure White or Detector White (Ivory)
Weight:	202g
Terminal Size:	1.5 - 2.5mm <sup>2</sup> max
Number of Tones:	32
Volume Setting:	High, Medium, Low



## Ordering Information

KAC has developed a product name/code which is as short and intuitive as possible while incorporating meaning and logic

Device	Code	Skirt Colour	Body or Lens colour	Isolation	Customer ID	Example
Wall mount sounder	WSO	P = pure white D = detector white (ivory)	<b>Body:</b> R = red P = pure white D = detector white (ivory) <b>Lens:</b> R = red A = amber	I = isolation N = non-iso	00 to 99	WSO-PR-I03
Wall mount strobe	WST					WST-PA-N14
Wall mount sounder strobe	WSS					WSS-PC-I02
Detector base sounder	BSO					BSO-PP-I04
Detector base strobe	BST					BST-PR-N31
Detector base sounder strobe	BSS					BSS-DA-N26

## Bases

B501AP - Low Profile Base

BRR, BDD, BPW - Surface mount deep base in red, detector white (ivory) or pure white

WRR, WDD, WPW - High IP surface mount deep base in red, detector white (ivory) or pure white

> KAC Alarm Company Ltd

KAC House, Thornhill Road,  
North Moons Moat, Redditch,  
B98 9ND, United Kingdom  
Tel: +44 (0) 1527 406655  
Fax: +44 (0) 1527 406677  
e-mail: [marketing@kac.co.uk](mailto:marketing@kac.co.uk)

**KAC**