Intelligent Detector Base Sounder

> Product Overview

The 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

LPCB   VdS

> 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

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

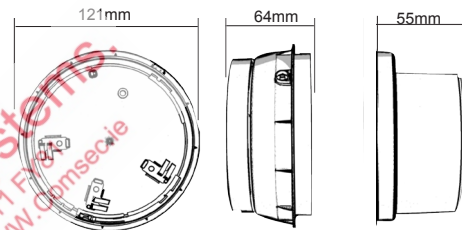|	
Supply Voltage:	15 to 32VDC (Non-isolation)
	15 to 28VDC (Isolation)
Standby Current:	120µA (Non-Isolation) 225µA (Isolation)
Max current consumption sounder and strobe:	
	< 10.5mA (High Volume Tone 21 @24V)
Max Sound Output	95dB(A) +/-3dB @1metre
	(High Volume, Tone 8 @24V)
	[Tone Dependant - Figure 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 www.kac.co.uk

Mechanical Specification

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

121mm   64mm   55mm

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)	**Body:** **R** = red **P** = pure white **D** = detector white (ivory) **Lens:** **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

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