

# KAC Audible Visual Range

## Intelligent Integrated Detector Base Sounder System Sensor Protocol

### > Product Benefits

- Reduces the total cost of installation
- Common installation base
- Optimised performance increases amount of devices on an intelligent loop
- Single point of installation
- Simple commissioning procedure
- Fault finding made easy
- Fully approved and compliant with EN54-3 standard and Construction Products Directive (CPD)
- Anti-tamper feature
- In built isolation version available



### Product Overview

The new intelligent Integrated Detector Base Sounder has System Sensor protocol embedded. It has been designed to reduce significantly the total cost of installation. Product performance has been optimised to allow the maximum permissible number of devices to be installed on an intelligent loop.

The Integrated Detector Base Sounder is installed in exactly the same manner as an intelligent fire detector. A separate, common installation base, which accepts any product within the KAC Audible Visual product family, is installed at first fix. This common base is fitted with a shorting spring, enabling loop continuity to be maintained without having to install any KAC Audible Visual product. It also removes the need to separately test the wiring. As the Integrated Detector Base Sounder itself does not have to be installed until final commissioning, there is no risk of damage during first fix.

The common installation base is available in low profile or surface versions to enable the Integrated Detector Base Sounder/Strobe to be installed either flush or surface mounted.

At final commissioning, the Integrated Detector Base Sounder simply twists in to the base and the installation is complete. This simple but effective concept significantly reduces the time and cost of installing audible visual warning devices when compared with previous designs. In addition, fire systems designers benefit from the flexibility of being able to change the type of installed device if the protected building is reconfigured by the occupiers.

Fault finding is also made easy. The suspect device is removed with a simple twist action without having to disconnect any loop wiring; a replacement is then mounted into the base.

By utilising the latest developments in piezoelectric transducer technology, the Integrated Detector Base Sounder is highly efficient. Current consumption is minimised, enabling the maximum number of devices to be installed on a loop, without compromising on sound output levels. The Integrated Detector Base Sounder is also compatible with the latest System Sensor advanced protocol, which allows 159 devices on one intelligent loop.

The Integrated Detector Base Sounder is third-party approved to EN54-3 and the Construction Product Directive (CPD). To comply with EN54-3, the Integrated Detector Base Sounder has an anti-tamper feature which prevents the removal of the unit without the use of a tool.

The Integrated Detector Base Sounder is supplied with 32 tones and high, medium and low volume settings, which are selectable by DIL switches. A version of the Integrated Detector Base Sounder with in built isolation is also available.

IBSOU  
Rev. No. 2

## Electrical Specification

|                           |  |
|---------------------------|--|
| Supply Voltage:           | 15 to 32VDC (Non-isolation)<br>15 to 28VDC (Isolation) |
| Standby Current:          | 110 $\mu$ A (Non-Isolation)<br>220 $\mu$ A (Isolation) |
| Max. Sound Output:        | 94dBA* $\pm$ 8dBA                                      |
| Max. Current Consumption: | 4.3mA*   |

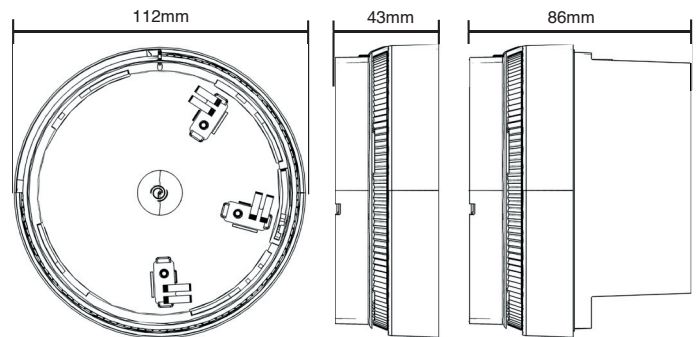
\* - Tone Dependant – Figure stated based upon High Volume 970Hz continuous @24VDC

## Environmental Specification

|                        |   |
|------------------------|---|
| Operating Temperature: | -25°C to 70°C   |
| Relative Humidity:     | Up to 95% non-condensing  |
| Ingress Protection:    | IP33C (with low profile base)<br>IP55 (with surface mount base)<br>IP65 (Waterproof base) |

## Mechanical Specification

|                  |                          |
|------------------|--------------------------|
| Colour:          | Pantone warm grey 1C     |
| Weight:          | 134g                     |
| Lens Colour:     | N/A                      |
| Terminal Size:   | 1.5 - 2.5mm <sup>2</sup> |
| Number of Tones: | 32                       |
| Volume Setting:  | High,<br>medium,<br>low  |



## Ordering Information

| Model        | Description  |
|--------------|--|
| IBSOU-DD-P01 | Integrated Detector Base Sounder, System Sensor Protocol, Detector White.            |
| IBSOU-DD-P02 | Integrated Detector Base Sounder, System Sensor Protocol, Detector White, Isolation. |

| Base | Description   |
|------|---|
| LPBW | Low Profile Base                                      |
| SDBW | Surface Mount Base, Detector White & Low Profile Base |

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