AS-ABS

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Introduction

The AS-ABS analogue addressable base sounder for indoor use is a part of the evolution addressable range of devices.

AS-ABS gives system designers a new, low profile designed sounder, whilst giving installers reduced installation time with the sounder's wide cable access entry and rising clamp terminals.

16 different tone options can be selected on the sounder, each of them having one main alarm tone and a separate alert tone. Activating the main alarm tone overrides the alert tone.

Configurations

The low current analogue addressable sounder AS-ABS can be configured in two ways.

As a sounder base to a Sensortec detector, the AS-ABS is fitted with a UB-4 base.

AS-ABS can also be used as a stand-alone ceiling mounted sounder, available with an option of either a red or a white cap/plate depending on your fire system requirements.

Installation and address setting is easily accomplished as there is a large address window especially cut out of the base area of the UB-4 enabling the address to be set without the need to remove the base from the sounder.

Operation

The AS-ABS is connected directly on the detector line as all other Nittan Sensortec detectors and devices.

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Technical Specification

Model Name	**AS-ABS**
Application	**Type A, indoor use**
Part Number	**F16N81563**
Product range	**Sensortec Addressable**
Address setting	**8-way DIP Switch**
Available separately:	**Part Number:**
Detector base UB-4	**F03N83500**
Red Cover VCT-03-CPR	**F06N82411**
White Cover VCT-03-CPW	**F06N82410**
Operating Voltage	**20 – 28 VDC**
Nominal Voltage	**24 VDC**
Current Consumption:	
Quiescent	**300 µA**
Alarm, low (750 Hz)	**4,2 mA**
Alarm, high (750 Hz)	**7,3 mA**
Operating Temperature	**-10ºC to +55ºC**
Storage Temperature	**-20ºC to +60ºC**
Relative Humidity	**≤ RH95% Non-condensing**
IP Rating	**IP21C**
Weight	**91 g**
Primary material	**Staroy PC/ABS VB-1202F UL94 V-0**
Alternative material	**GE Plastics Cyclolac S157 UL94 V-0**
Dimensions:	
AS-ABS	**Ø114mm, H 28mm**
AS-ABS/UB4	**Ø114mm, H40mm**
Tone Types	**15, see tone table**
Volume Control	**Low – High Potentiometer**
Frequence Range	**440-3000 Hz**
Sound Pressure @1m:	
Alarm, Low/High Volume (Tone 1) Note 1	**79/82 dBA**
Alert, Low/High Volume (Tone 10) Note 1	**79/82 dBA**
Designed to meet requirements of	**EN54-3:2001 (Ceiling mounted)**
EMC Tested in accordance with	**EN 50130-4:1996: A2 2003 Para: 11, 12 &13**

Note 1: See document 'T-EV-ABS-SPLREF-001' for reference sound pressure level measurements.

BFPSA British Fire Protection Systems Association

NITTAN (UK) LTD.

LPCB Loss Prevention Certification Board — UKAS Quality Management 007

Quality System Certificate No. 041
Assessed to BS EN ISO 9001:2000

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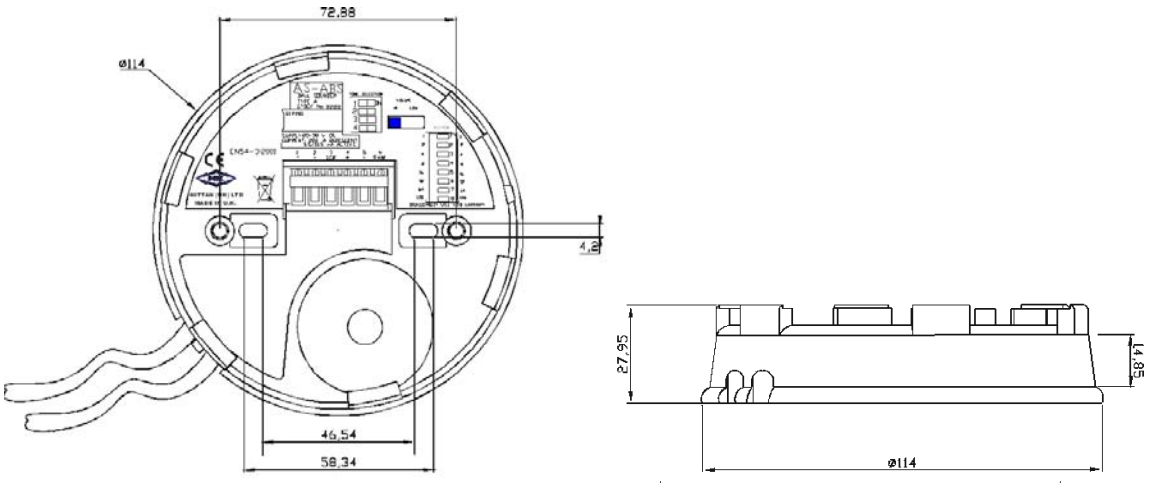
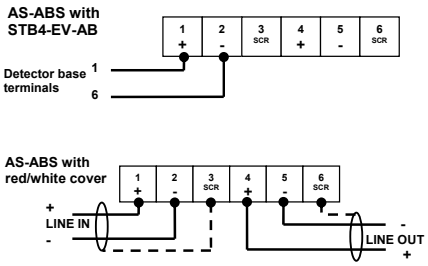
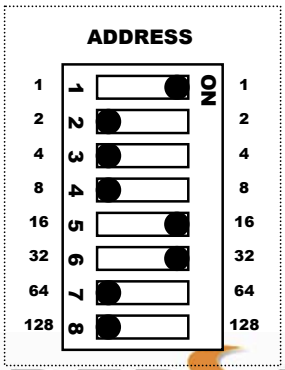
Dimensions



Connections



Address Setting



To set the address of the device, set the address switch by adding up the numbers on the left or right side. For example to set address 24, set switch 4 and 5 to the 'ON' position. Switch 4 gives you 8 and setting switch 5 adds 16 which gives the address 24. In the example to the left, the address is set to 49 (1 + 16 + 32).

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LPCB LOSS PREVENTION CERTIFICATION BOARD
UKAS QUALITY MANAGEMENT 007

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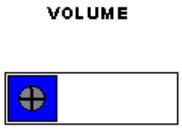
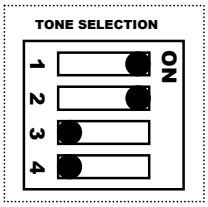
Volume



Turn the volume control potentiometer fully clockwise to set the device to maximum volume. With the control wound fully anti-clockwise the minimum volume will be audible.

Tone Configuration



To set the sound pattern, set the tone selection switch according to the table below. In the example to the left, tone 13 is selected as switch 1 and 2 is on and switch 3 and 4 is off.

Tone	Alarm	Alert	SW1	SW2	SW3	SW4
1	Standard alarm tone. 750Hz/1000Hz alternating, 0.5s for each tone.	10	ON	ON	ON	ON
2	Warble tone, general use. 850-950Hz sweep at 9Hz.	10	OFF	ON	ON	ON
3	Sweep 1s (UK). 800Hz to 970Hz sweep over 1s, repeating.	10	ON	OFF	ON	ON
4	French fire tone. 440Hz for 400ms, 554Hz for 100ms, repeating.	10	OFF	OFF	ON	ON
5	German DIN tone. 1200Hz to 500Hz sweep over 1s, repeating.	10	ON	ON	OFF	ON
6	Dutch tone. 500Hz to 1200Hz over 3.5s, 0.25s gap, repeating.	10	OFF	ON	OFF	ON
7	Pulsed tone 1s on, 1s off at 750Hz.	10	ON	OFF	OFF	ON
8	Continuous, 750Hz.	10	OFF	OFF	OFF	ON
9	Continuous, 1000Hz.	10	ON	ON	ON	OFF
10	Pulsed tone 1s on, 1s off at 1000Hz.	10	OFF	ON	ON	OFF
11	Alternating at 2250Hz for 0.5s, 3000Hz, for 3s.	10	ON	OFF	ON	OFF
12	Sweep 9Hz. 2250Hz to 3000Hz, repeating.	10	OFF	OFF	ON	OFF
13	Sweep 1Hz. 2250Hz to 3000Hz, repeating.	10	ON	ON	OFF	OFF
14	Continuous, 3000Hz.	10	OFF	ON	OFF	OFF
15	Pulsed tone 1s on, 1s off at 3000Hz.	10	ON	OFF	OFF	OFF
16	Silent (no sound).	10	OFF	OFF	OFF	OFF

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Disposal

This symbol on the AS-ABS indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office or your household waste disposal service.

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