

# Addressable Loop Powered AV Devices

## Intelligent/Addressable Devices



FS -WSO - Addressable Wall Mount Sounder  
- off white



FS-BSS - Addressable Detector Base Sounder  
and Strobe (Detector Base Sounder - off white /  
Strobe - red)

### General

The Notifier range of intelligent, Flashscan, loop powered, AV devices are high quality, feature packed loop powered devices designed to alert building occupants of an emergency. Notifier's intelligent AV devices are intended to be connected to Notifier analogue addressable fire alarm systems. These devices receive their power from the loop, and can be controlled via the Notifier communication protocol.

The range includes sounders, strobes, sounder strobes, sounder bases and combo bases. The devices are installed in the same manner as an intelligent fire detector. For easy installation, the Notifier AV devices fit into the B501AUS base.

The sounders have two volume levels (high and low) and 4 tone types. The strobes have two flash patterns (Evacuate and Alert).

When triggered by the fire panel the powerful sounders and intense strobes give a visual, an audible or a visual and audible warning. The choice of output levels and tones make these devices suitable for a wide variety of applications.

### Features

- Flashscan protocol
- Powered from SLC
- Fits to B501AUS plug in base for easy installation
- Able to fit detector directly to sounder/strobe base
- Low current draw enables more devices on loop
- Intense strobe output
- Synchronisation of sounder/strobe
- Anti-tamper feature
- Simple familiar rotary wheel address
- 4 Tone and 2 volume selections for sounders
- 2 flash pattern selections for strobes
- Excellent sound output
- Up to 159 addresses are available via two rotary selector switches
- The alarm light can be tested on field

# Product Line Information

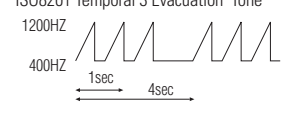
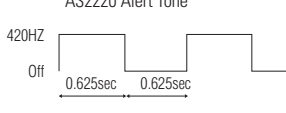
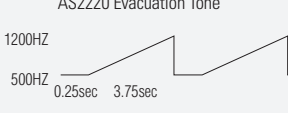
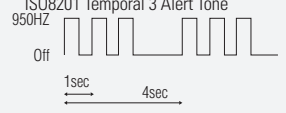
## Electrical Specifications

	FS -WSO Wall Mount Sounder - off white	FS-BSO Detector Base Sounder - off white	FS -WST Wall Mount Strobe – red	FS -WSS Wall Mount Sounder & Strobe - red	FS-BSS Detector Base Sounder - off white & Strobe - red
SUPPLY VOLTAGE: (NON-ISOLATION)	DC24V (DC15V- DC32V)				
QUIESCENT CURRENT	<400µA (24VDC, No Communication, No sounding/flashing)				
ALARM CURRENT CONSUMPTION: (NON-ISOLATION)	<6mA High volume, 24VDC <4mA Low volume, 24VDC		Alert flash pattern 4.4mA Evacuate flash pattern 4.6mA	<11mA High volume, 24VDC <8.5mA Low volume, 24VDC	
APPROVED SOUND PRESSURE LEVEL (APPROVED TO AS ISO 7240.3:2014)	86±4dB(A) 1m, High Volume, ISO8201 Temporal 3 Evacuation Tone @24V(2.7mA)	83±4dB(A) 1m, High Volume, ISO8201 Temporal 3 Evacuation Tone @24V(2.7mA)	N/A	86±4dB(A) 1m, High Volume, ISO8201 Temporal 3 Evacuation Tone @24V(2.7mA)	83±4dB(A) 1m , High Volume, ISO8201 Temporal 3 Evacuation Tone @24V(5.0mA)
MAXIMUM SOUND OUTPUT HIGH VOLUME (1M, 90°): ISO8201 TEMPORAL 3 EVACUATION TONE AS2220 EVACUATION TONE AS2220 ALERT TONE ISO8201 TEMPORAL 3 ALERT TONE	90±4dB(A) @24V(3.0mA) * 93±4dB(A) @24V(3.0mA) * 93±5dB(A) @24V(2.5mA) * 95±5dB(A) @24V(2.5mA) *	92±3dB(A) @24V(2.7mA) * 94±4dB(A) @24V(3.0mA) * 95±3dB(A) @24V(2.5mA) * 94±7dB(A) @24V(2.5mA) *	N/A	90±4dB(A) @24V(5.0mA) * 92±3dB(A) @24V(6.0mA) * 91±5dB(A) @24V(5.7mA) * 95±5dB(A) @24V(5.5mA) *	92±3dB(A), @24V(5.0mA)* 95±3dB(A), @24V(6.0mA)* 95±4dB(A), @24V(5.7mA)* 94±7dB(A), @24V(5.5mA)*
STROBE FLASH INTENSITY	N/A		>1cd		
FLASH PATTERNS AVAILABLE	N/A		2 Evacuate and Alert (details see manual)	2 * Evacuate flash pattern Synchronized with Temporal 3 Evacuation Tone, ISO8201 Temporal 3 Alert Tone or AS2220 Evacuation Tone * Alert flash pattern Synchronized with AS2220	
STONE TYPES AVAILABLE	4 (details see manual)		N/A	4 (details see manual)	
MAXIMUM QUANTITY PER LOOP	66 high volume / 100 low volume		90 Alert / 86 Evacuate flash pattern	36 high volume / 47 low volume	
* These volume & tone settings are not tested and approved to AS ISO 7240.3:2014.					

## Environmental Specifications

OPERATING TEMPERATURE	-25°C~ to +70°C	-10°C to +70°C	-25°C to ~ +70°C		-10°Cto+70°C
RELATIVE HUMIDITY	10-95% R.H. (non-condensing)				
INGRESS PROTECTION	IP33 (Approved to EN54-3) IP35*** (With Water-proof box)	IP21C	IP33 (Approved to EN54-3) IP35*** (With Water-proof box)		IP21C
DIMENSIONS (HEIGHT X DIAM.)	47mmx122mm	52mmx122mm	47mmx122mm	47mmx122mm	52mmx122mm
WEIGHT	176±6g	196±6g	156±6g	176±6g	196±6g
STROBE FLASH INTENSITY:	N/A		>1cd		
***This ingress protection is not tested and approved to AS ISO 7240.3:2014.					

## Tones

BIT: 1, 2, 3,4 (0=OFF/1 = ON/X=RANDOM)	DESCRIPTION	BIT: 1, 2, 3,4 (0=OFF/1 = ON/X=RANDOM)	DESCRIPTION
0 0 X X	ISO8201 Temporal 3 Evacuation Tone 	1 0 X X	AS2220 Alert Tone 
0 1 X X	AS2220 Evacuation Tone 	1 1 X X	ISO8201 Temporal 3 Alert Tone 



# Product Line Information

## Flash Patterns

FLASH PATTERN	DESCRIPTION
	Evacuate flash pattern Synchronized with Temporal 3 Evacuation Tone, ISO8201 Temporal 3 Alert Tone or AS2220 Evacuation Tone
	Alert flash pattern Synchronized with AS2220 Alert Tone

## Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult system consultant for latest listing status.

AS ISO 7240.3:2014 (Sounders)

## Ordering

FS -WSO	Addressable Wall Mound Sounder - off white
FS -WSS	Addressable Wall Mount Sounder and Strobe - red
FS -WST	Addressable Wall Mount Strobe – red
FS-BSO	Addressable Detector Base Sounder - off white
FS-BSS	Addressable Detector Base Sounder and Strobe (Detector Base Sounder - off white / Strobe – red)
B501AUS	Universal addressable detector base, off-white



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This document is not intended for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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FS 520324  
QUALITY SYSTEMS