



Addressable Loop Powered AV Devices

Intelligent/Addressable Devices



Features

- Clip 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 99 addresses are available via two rotary selector switches
- The alarm light can be tested on field

General

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

Agency Listings

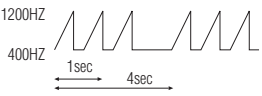
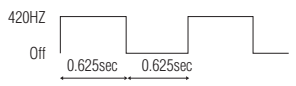
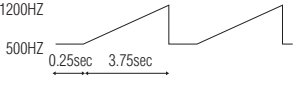
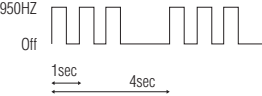


Specifications

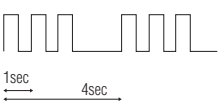
Electrical Specifications					
	LASS-WSO Wall Mount Sounder - off white	LASS-BSO Detector Base Sounder - off white	LASS-WST Wall Mount Strobe – red	LASS-WSS Wall Mount Strobe – red	LASS-BSS Detector Base Sounder - off white & Strobe - red
Supply Voltage: (Non-Isolation)	DC24V (DC15V~ DC32V)				
Quiescent Current	<400µA (24VDC, No Communication, No sounding/flashing)				
Alarm Current Consumption: (Non-Isolation)	<6mA High volume, 24VDC <4mA Low volume, 24VDC		<8mA 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) *	92±3dB(A) @24V(2.7mA) *	N/A	90±4dB(A) @24V(5.0mA) *	92±3dB(A), @24V(5.0mA) *
	93±4dB(A) @24V(3.0mA) *	94±4dB(A) @24V(3.0mA) *		92±3dB(A) @24V(6.0mA) *	95±3dB(A), @24V(6.0mA) *
	93±5dB(A) @24V(2.5mA) *	95±3dB(A) @24V(2.5mA) *		91±5dB(A) @24V(5.7mA) *	95±4dB(A), @24V(5.7mA) *
	95±5dB(A) @24V(2.5mA) *	94±7dB(A) @24V(2.5mA) *		95±5dB(A) @24V(5.5mA) *	94±7dB(A), @24V(5.5mA) *
Maximum Sound Output low Volume (1m, 90°): ISO8201 Temporal 3 Evacuation Tone AS2220 Evacuation Tone AS2220 Alert Tone ISO8201 Temporal 3 Alert Tone	86±4dB(A) @24V(2.0mA) *	88±3dB(A) @24V(2.0mA) *	N/A	86±3dB(A) @24V(4.7mA) *	89±3dB(A) @24V(4.7mA) *
	86±4dB(A) @24V(2.0mA) *	88±3dB(A) @24V(2.0mA) *		86±4dB(A) @24V(5.0mA) *	89±3dB(A) @24V(5.0mA) *
	82±5dB(A) @24V(1.7mA) *	85±4dB(A) @24V(1.7mA) *		81±3dB(A) @24V(4.7mA) *	85±5dB(A) @24V(4.7mA) *
	83±6dB(A) @24V(1.8mA) *	85±5dB(A) @24V(1.8mA) *		84±6dB(A) @24V(4.7mA) *	85±5dB(A) @24V(4.7mA) *
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	
Tone types available	4 (details see manual)		N/A	4 (details see manual)	
Maximum Quantity per Loop	33		25	18	
* These volume & tone settings are not approved to AS ISO 7240.3:2014.					
Environmental Specifications					
Operating Temperature	-25°C~ to +70°C	-10°C to +55°C	-25°C~ to +70°C		-10°C to +55°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

***This ingress protection is not 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 

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 Information

Part No.	Description
LASS-WSO	Addressable Wall Mound Sounder - off white
LASS-WSS	Addressable Wall Mount Sounder and Strobe - red
LASS-WST	Addressable Wall Mount Strobe – red
LASS-BSO	Addressable Detector Base Sounder - off white
LASS-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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