Addressable Loop Powered AV Devices

Intelligent/Addressable Devices

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

<table>
<thead>
<tr>
<th>FS -WSO Wall Mount</th>
<th>FS -BSG Detector Base</th>
<th>FS -WST Wall Mount</th>
<th>FS -WSS Wall Mount</th>
<th>FS -BSS Detector Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sounder - off white</td>
<td>Sounder - off white</td>
<td>Strobe – red</td>
<td>Strobe – off white &amp; Strobe - red</td>
<td></td>
</tr>
</tbody>
</table>

**SUPPLY VOLTAGE:** (NON-ISOLATION)  DC24V (DC15V–DC32V)

**QUIESCENT CURRENT**  <400μA (24VDC, No Communication, No sounding/flashling)

**ALARM CURRENT CONSUMPTION:** (NON-ISOLATION)

- **High volume, 24VDC:**
  - 4mA (0.625sec)
  - 4mA (3.75sec)

- **Low volume, 24VDC:**
  - 3mA (0.625sec)
  - 3mA (3.75sec)

**APPROVED SOUND PRESSURE LEVEL**

- **ISO8201 Temporal 3 Evacuation Tone**
  - 90±4dB(A) (1m, High Volume)
  - 86±4dB(A) (1m, High Volume, ISO8201 Temporal 3 Evacuation Tone @24V(2.7mA))

**MAXIMUM SOUND OUTPUT HIGH VOLUME (1M, 90°):**

- **ISO8201 TEMPORAL 3 EVACUATION TONE**
  - 90±4dB(A) @24V(3.0mA) *
  - 92±3dB(A) @24V(2.7mA) *

- **AS2220 EVACUATION TONE**
  - 93±5dB(A) @24V(3.0mA) *
  - 94±4dB(A) @24V(2.5mA) *

- **AS2220 ALERT TONE**
  - 95±5dB(A) @24V(3.0mA) *
  - 94±7dB(A) @24V(2.5mA) *

**STROBE FLASH INTENSITY:**

- 2cd (details see manual)

**FLASH PATTERNS AVAILABLE**

- *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)

**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°C to +70°C

**RELATIVE HUMIDITY**

- 10-95% R.H. (non-condensing)

**INGRESS PROTECTION**

- IP33 (Approved to EN54-3)
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**DIMENSIONS (HEIGHT X DIAM.)**

- 47mmx122mm
- 52mmx122mm
- 47mmx122mm
- 47mmx122mm
- 52mmx122mm

**WEIGHT**

- 176±6g
- 196±6g
- 156±6g
- 176±6g
- 196±6g

**STROBE FLASH INTENSITY:**

- >1cd

***This ingress protection is not tested and approved to AS ISO 7240.3.2014.

### Tones

<table>
<thead>
<tr>
<th>BIT: 1, 2, 3,4 (0=OFF/1 = ON/X=RANDOM)</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>00XX</td>
<td>ISO8201 Temporal 3 Evacuation Tone</td>
</tr>
<tr>
<td>01XX</td>
<td>AS2220 Evacuation Tone</td>
</tr>
</tbody>
</table>

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<tbody>
<tr>
<td>10XX</td>
<td>AS2220 Alert Tone</td>
</tr>
<tr>
<td>11XX</td>
<td>ISO8201 Temporal 3 Alert Tone</td>
</tr>
</tbody>
</table>
Product Line Information

Flash Patterns

<table>
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<tr>
<th>FLASH PATTERN</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td></td>
<td>Evacuate flash pattern Synchronized with Temporal 3 or AS2220 Evacuation Tone</td>
</tr>
<tr>
<td></td>
<td>Alert flash pattern Synchronized with AS2220 Alert Tone</td>
</tr>
</tbody>
</table>

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

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>FS-WSO</td>
<td>Addressable Wall Mound Sounder - off white</td>
</tr>
<tr>
<td>FS-WSS</td>
<td>Addressable Wall Mount Sounder and Strobe - red</td>
</tr>
<tr>
<td>FS-WST</td>
<td>Addressable Wall Mount Strobe – red</td>
</tr>
<tr>
<td>FS-BSO</td>
<td>Addressable Detector Base Sounder - off white</td>
</tr>
<tr>
<td>FS-BSS</td>
<td>Addressable Detector Base Sounder and Strobe (Detector Base Sounder - off white / Strobe – red)</td>
</tr>
<tr>
<td>B501AUS</td>
<td>Universal addressable detector base, off-white</td>
</tr>
</tbody>
</table>
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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