PVA-1WEOL End Of Line Slave Module

The End Of Line (EOL) Slave Module monitors the integrity of a loudspeaker line. In combination with an EOL master, integrated in every Controller and Router of the PAVIRO system, the loudspeaker line can be monitored against short-circuit or open-circuit. The status LED of the module can help to check the installation. Please refer to the documentation of IRIS-Net or the Controller/Router for more details.

Certifications and approvals

The device meets the following standards (as of November 2015):
- IEC 60065
- EN 55103-1
- EN 50130-4
- EN 60945
- FCC
- ICES-003
- EN 54-16

Installation/configuration notes

Notice
Please ensure that all safety regulations are observed. Mounting the module on spacers is strongly recommended.

<table>
<thead>
<tr>
<th>Status LED</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>No voltage supply</td>
</tr>
<tr>
<td>Slow flashing (2 Hz)</td>
<td>Module ready</td>
</tr>
<tr>
<td>Rapid flashing (10 Hz)</td>
<td>Data is being received</td>
</tr>
</tbody>
</table>
### Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PVA-1WEOL</td>
</tr>
<tr>
<td>1</td>
<td>Installation note</td>
</tr>
</tbody>
</table>

### Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>18–22 kHz, 8 V&lt;sub&gt;eff&lt;/sub&gt;, 20 mW</td>
</tr>
<tr>
<td>Minimum R&lt;sub&gt;G&lt;/sub&gt; (resistance between speaker line and ground/earth)</td>
<td>5 MΩ</td>
</tr>
<tr>
<td>Maximum C&lt;sub&gt;G&lt;/sub&gt; (capacity between speaker line and ground)</td>
<td>500 nF</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-5 °C to +45 °C</td>
</tr>
<tr>
<td>Product dimensions (Width × Height × Depth)</td>
<td>78 × 15 × 60 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td>30 g</td>
</tr>
</tbody>
</table>

### DIP switch settings on the module (the settings on delivery are shown in bold)

- **DIP switch S2**
  - OFF OFF OFF OFF OFF OFF 0 (not connected)
  - OFF OFF OFF OFF ON ON 1
  - OFF OFF OFF OFF ON OFF 2
  - OFF OFF OFF OFF ON ON 3
  - OFF OFF OFF ON OFF OFF 4
  - OFF OFF ON OFF ON OFF 5
  - OFF OFF ON OFF ON ON 6
  - OFF OFF ON OFF ON ON 7
  - OFF ON OFF ON OFF OFF 8
  - OFF ON OFF ON OFF ON 9
  - OFF ON OFF ON ON OFF 10
  - OFF ON OFF ON ON ON 11
  - OFF ON OFF ON ON OFF 12
  - OFF ON OFF ON OFF OFF 13
  - OFF ON OFF ON OFF ON 14
  - OFF ON OFF ON ON OFF 15
  - OFF ON OFF ON OFF ON 16
  - OFF ON OFF ON OFF ON 17
  - ON ON ON ON OFF OFF 60

- **DIP switch S1**
  - OFF OFF OFF OFF OFF OFF 0 (not connected)
  - OFF OFF OFF OFF ON ON 1
  - OFF OFF OFF OFF ON OFF 2
  - OFF OFF OFF OFF ON ON 3
  - OFF OFF OFF ON OFF OFF 4
  - OFF OFF ON OFF ON OFF 5
  - OFF OFF ON OFF ON ON 6
  - OFF OFF ON OFF ON ON 7
  - OFF ON OFF ON OFF OFF 8
  - OFF ON OFF ON OFF ON 9
  - OFF ON OFF ON ON OFF 10
  - OFF ON OFF ON ON ON 11
  - OFF ON OFF ON ON OFF 12
  - OFF ON OFF ON OFF OFF 13
  - OFF ON OFF ON OFF ON 14
  - OFF ON OFF ON OFF ON 15
  - OFF ON OFF ON OFF ON 16
  - OFF ON OFF ON OFF ON 17
  - ON ON ON ON OFF OFF 60

* To activate the status LED for five minutes, switch from ON to OFF
Circuit diagram
Ordering information

PVA-1WEOL End Of Line Slave Module
End Of Line (EOL) slave module
Order number PVA-1WEOL