PAVIRO End Of Line Slave Module
PVA-1WEOL

BOSCH

en   Installation note

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1 Short information

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.

Parts included

Quantity	Component
1	PVA-1WEOL
2	Screw
1	Installation note

2 Installation

Before connecting the module a module address must be set via
the DIP switches S2 and S1 (see following illustration). The
module address allows identifying the affected loudspeaker line
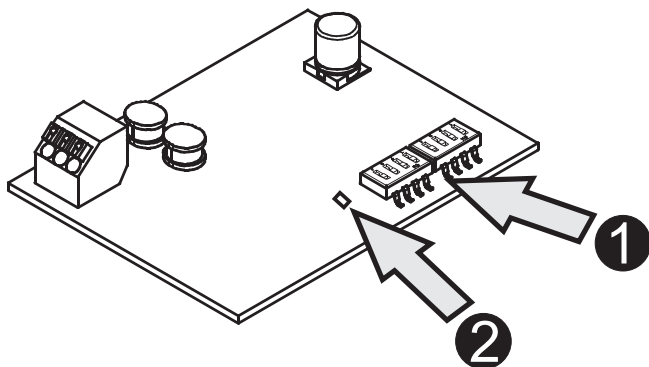in case an error (e.g. open-circuit) has occurred.

**Figure 2.1: Location of the DIP switches ❶ and the Status LED
❷ at the module**

> **Notice!**
> The module address must be unique within each zone
> topology.

		6	5	4	3	2	1	Module address
DIP switch S2				DIP switch S1				
4	3	2	1	4	3	2	1	
		OFF	**OFF**	**OFF**	**OFF**	**OFF**	**OFF**	0 (not connected)
		OFF	OFF	OFF	OFF	OFF	ON	1
		OFF	OFF	OFF	OFF	ON	OFF	2
		OFF	OFF	OFF	OFF	ON	ON	3
		OFF	OFF	OFF	OFF	OFF	OFF	4
		OFF	OFF	OFF	ON	OFF	ON	5
		OFF	OFF	OFF	ON	ON	OFF	6
		OFF	OFF	OFF	ON	ON	ON	7
		OFF	OFF	ON	ON	OFF	OFF	8
		OFF	OFF	ON	OFF	OFF	ON	9
		OFF	OFF	ON	OFF	ON	OFF	10
		OFF	OFF	ON	OFF	ON	ON	11
		OFF	OFF	ON	ON	OFF	OFF	12
		OFF	OFF	ON	ON	OFF	ON	13

		6	5	4	3	2	1	**Module address**
DIP switch S2				**DIP switch S1**				
4	**3**	**2**	**1**	**4**	**3**	**2**	**1**	
		OFF	OFF	ON	ON	ON	OFF	14
		OFF	OFF	ON	ON	ON	ON	15
		OFF	ON	OFF	OFF	OFF	OFF	16
		OFF	ON	OFF	OFF	OFF	ON	17
		:	:	:	:	:	:	:
		ON	ON	ON	ON	OFF	OFF	60
	OFF							Reserved
	ON							
OFF								To activate the status LED for five minutes, switch from ON to OFF
ON								

Table 2.1: DIP switch settings on the module (the settings on delivery are shown in bold)

Status LED	Description
Off	No voltage supply (e.g. pilot tone deactivated)
Slow flashing (2 Hz)	Module ready
Rapid flashing (10 Hz)	Data is being received from EOL master

Table 2.2: Status LED for checking installation

Caution!

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

Notice!

Hardware version compatibility

Use only hardware version 02 (or newer) for PAVIRO systems. The hardware version can be found at the packaging or module labels.

3 Technical data

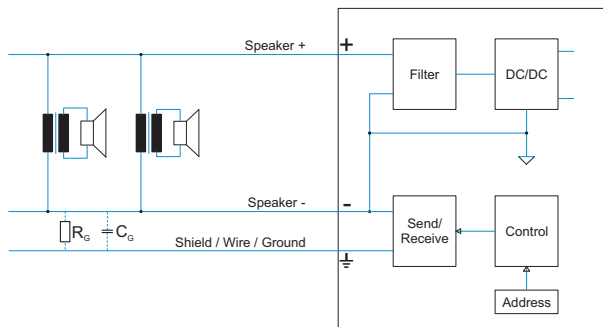|	
Power supply	18–22 kHz, 8 V_{eff}, 20 mW
Minimum R_G (resistance between speaker line and ground)	1.5 MΩ
Maximum C_G (capacity between speaker line and ground)	400 nF
Operating temperature	-5 °C to +45 °C
Product dimensions (Width × Height × Depth)	78 × 15 × 60 mm
Net weight	30 g

Figure 3.1: Circuit diagram (R_G and C_G are caused by the loudspeaker installation, e.g. wire type, length)