

PVA-1WEOL End-of-line supervision module

PAVIRO



The End-of-line (EOL) supervision module monitors the integrity of a loudspeaker line and can be used in applications where continuous business music is requested.

In combination with the EOL master, integrated in every Controller and Router of the PAVIRO system, the loudspeaker line can be monitored for short and open circuits.

The status LED on the module can be used to check the installation. For more information, refer to the user documentation for the IRIS-Net, Controller or Router.

Certifications and approvals

Emergency standard certifications

Europe	EN 54-16
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Emergency standard compliance

UK	BS 5839-8
Austria	ÖNORM F 3033

Environmental directive compliance

Safety	EN 62368-1
Immunity	EN 50130-4
Emissions	EN 61000-6-3 ICES-003 FCC-47 part 15B class A
Environment	EN 50581

- ▶ Compatible with 100 V, 70 V, or 50 V loudspeaker lines
- ▶ Module is powered via loudspeaker line (pilot tone)
- ▶ A single loudspeaker line can have multiple modules
- ▶ Up to 60 modules can be connected to one amplifier output channel
- ▶ EN 54-16 system certification

Environmental directive compliance

Maritime	EN 60945
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Conformity

Europe	CE/CPR
USA	FCC
Canada	ICES
Australia	RCM
Korea	KCC
Russian Federation	EAC
Environment	RoHS

Parts included

Quantity	Component
1	End-of-line supervision module
1	Set of screws
1	User manual

Technical specifications

The following technical specifications are valid for PVA-1WEOL hardware version 1.2 and firmware version 1.3 in combination with PVA-4CR12 or PVA-4R24 hardware version 02/00. Previous hardware and firmware versions can be used in the same system; however, the lowest Cg must be taken as the maximum Cg for the system.

Electrical

Power supply	18-22 kHz, 8 V _{eff} , 20 mW
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Wire limits

Minimum R _G	3 MΩ
Maximum C _G	2500 nF
Number of modules	60

Mechanical

Product dimensions (Height x Width x Depth)	15 mm x 78 mm x 60 mm
Net weight	30 g

Environmental

Operating temperature	-5 °C to +45 °C (+23 °F to +113 °F)
Humidity (non-condensing)	5% to 90%
Altitude	Up to 2000 m

Ordering information

PVA-1WEOL End-of-line supervision module

Module for monitoring the loudspeaker line for short and open circuits.

Order number **PVA-1WEOL | F.01U.305.077**

Services

EWE-EOLSVB-IW 12 mths wrty ext. Eo Line Superv. Bo

12 months warranty extension

Order number **EWE-EOLSVB-IW | F.01U.360.704**

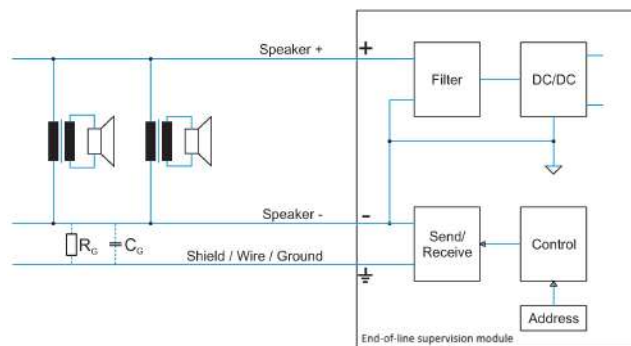


Fig. 1: Circuit diagram

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