



PANASONIC

Panasonic PAVA-8003LNR voice alarm control panel, 16 lines, 1,500 W, rack-mounted

Product code PAVA-8003LNR · Voice alarm systems > Control equipment

PAVA voice alarm control panel for mounting in a 19-inch rack: 16 loudspeaker lines (8 × AB), a total load capacity of 1,500 W rms and three simultaneous messages. Touchscreen, fire brigade microphone, amplifiers and power supply in the same unit.

- Approved to EN 54-16 and EN 54-4, CPR 1438-CPR-1146 and 1438-CPR-0527
- 16 loudspeaker lines (8 × AB), 1,500 W rms
- Amplifiers 3 × 500 W, standby amplifier in case of amplifier failure
- Touchscreen and fire brigade microphone
- Extended network card: 2 × SFP, RS485 and PoE



Product description

PAVA-8003LNR is a rack-mounted panel in Panasonic's PAVA voice alarm system. The same unit houses the control unit with its touchscreen, the fire brigade microphone, the amplifiers and the power supply. The panel has 16 loudspeaker lines (8 × AB), a total load capacity of 1,500 W rms and three simultaneous messages. In an example in the PAVA catalogue, PAVA-8003LNR and PAVA-8003R are installed in the same rack of at least 15U, giving 32 loudspeaker lines and a load capacity of 3,000 W. According to the technical datasheet, the units can share the same set of four 12 V batteries.

The standby amplifier keeps announcements running if an amplifier fails. According to Panasonic's technical datasheet, the 8003 series has three 500 W transformerless class D amplifiers. All three can be used simultaneously, giving a total output of up to 1,500 W. The loudspeaker lines can be monitored by impedance measurement, loop isolators or end-of-line modules. The panel has been tested and approved to EN 54-16 and EN 54-4 (CPR 1438-CPR-1146). It is Ambient System's midiVES 8003LNR sold under Panasonic's product name, so the manufacturer's CPR certificate 1438-CPR-0527 (EN 54-16 and EN 54-4) also covers it. Batteries are ordered separately.

PAVA exchanges alarm and fault information with Panasonic's EBL fire alarm system over a supervised TCP/IP connection. According to Panasonic, the panel is easy to connect to SIP and IP intercom systems.

The extended network card of the N model is intended for larger or distributed systems in which the panels are connected over long distances, by optical fibre or with redundant network connections. The card has a LAN/WAN port for programming and integrations, two LAN ports (one with PoE), an RS485 port, two slots for optional SFP modules and two freely programmable logic inputs and outputs.

The first digit of Panasonic's model code is the number of A/B zones (8). When the lines are wired directly rather than as A/B pairs, the number of zones can be doubled. The last digit indicates the number of simultaneous messages. Letters: L = touchscreen, N = extended network card, R = rack-mounted model.

Technical data

Product code	PAVA-8003LNR
Manufacturer	Panasonic
Product group	Voice alarm systems > Control equipment
Mounting	19-inch rack
Loudspeaker lines	16 (8 × AB)
Total load capacity	1,500 W rms
Amplifiers	3 × 500 W
Standby amplifier	Yes
Simultaneous messages	3
Touchscreen	Yes
Fire brigade microphone	Yes, handheld microphone
Network card	Extended (N): 1 × LAN/WAN, 2 × LAN (one with PoE), RS485, 2 × SFP slots, 2 logic inputs and 2 logic outputs
Message memory	SD card (512 MB included, over 20 min of messages), max. 32 GB
Control inputs and outputs	7 logic inputs and 3 relay outputs
Power supply	230 V AC
Battery capacity	4 × 65 Ah
Batteries	Ordered separately
IP rating	IP30
Operating conditions	-5...+40 °C, humidity 5-95% (non-condensing)
Dimensions	176 × 440 × 354 mm (H × W × D)
Weight	17 kg (gross)
EN 54 approval	EN 54-16, EN 54-4
CPR	1438-CPR-1146 (Panasonic PAVA), 1438-CPR-0527 (Ambient miniVES/midiVES)

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Brochure (series): PAVA voice alarm control panels

Product catalogue (series): PAVA voice alarm system

Technical datasheet (series): PAVA voice alarm system

Datasheet (series): miniVES/midiVES voice alarm system (Ambient System)

Brochure (series): miniVES/midiVES voice alarm system (Ambient System)

User manual (series): miniVES/midiVES voice alarm system, short guide

User manual (series): miniVES/midiVES voice alarm system

CPR certificate (series): 1438-CPR-0527, miniVES/midiVES system

Declaration of performance (DoP) (series): miniVES/midiVES system mini_midiVES-20260720

EU declaration of conformity (series): miniVES/midiVES system mini_midiVES-DCE-20230120

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/pava-8003lnr/