PANASONIC

Panasonic PAVA-4002LN voice alarm control panel, 8 lines, 640 W, wall-mounted

Product code PAVA-4002LN · Voice alarm systems › Control equipment

Wall-mounted PAVA voice alarm control panel: 8 loudspeaker lines (4 × AB), a total load capacity of 640 W rms and two simultaneous messages. Touchscreen, fire brigade microphone, amplifiers and power supply in the same enclosure.

- Approved to EN 54-16 and EN 54-4, CPR 1438-CPR-1146 and 1438-CPR-0527
- 8 loudspeaker lines (4 × AB), 640 W rms
- Amplifiers 2 × 320 W, standby amplifier in case of amplifier failure
- Touchscreen and fire brigade microphone
- Extended network card: 2 × SFP, RS485 and PoE

Product description

PAVA-4002LN is a wall-mounted panel in Panasonic's PAVA voice alarm system. The same enclosure houses the control unit with its touchscreen, the fire brigade microphone, the amplifiers and the power supply. The panel has 8 loudspeaker lines (4 × AB), a total load capacity of 640 W rms and two simultaneous messages.

The standby amplifier keeps announcements running if an amplifier fails. According to Panasonic's technical datasheet, the two 320 W amplifiers of the 4002 series can operate simultaneously, giving a total output of up to 640 W. Alternatively, one acts as the main amplifier and the other as the standby amplifier. 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 miniVES 4002LN 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 (4). 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-4002LN
Manufacturer	Panasonic
Product group	Voice alarm systems › Control equipment
Mounting	Wall mounting
Loudspeaker lines	8 (4 × AB)
Total load capacity	640 W rms
Amplifiers	2 × 320 W
Standby amplifier	Yes
Simultaneous messages	2
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	Max. 42 Ah (CPR 1438-CPR-0527)
Batteries	Ordered separately
IP rating	IP30
Operating conditions	−5…+40 °C, humidity 5–95% (non-condensing)
Dimensions	797 × 442 × 241 mm (H × W × D)
Weight	34 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

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