



500 W Compact VES
For wall mounting



PAW4500-VES Range

500W Wall mounting compact VES

The brand new **PAW4500-VES** compact systems - equipped with a **EN54-16** & **EN54-4** certified control unit - are all specifically designed for ease of installation and for operating in a vast range of applications.

These systems are able to manage, depending on the model, from 2 up to 6 alarm zones via local controls, remote microphone stations and controlled inputs connected to a Fireman's unit.

Three available models:

- **PAW4502-V** 500W / 2 zones | double output line (A+B)
- **PAW4504-V** 500W / 4 zones | double output line (A+B)
- **PAW4506-V** 500W / 6 zones | double output line (A+B)

Functional features:

- Audio rated power: 500 W freely distributed between the zones up to a maximum of 250W (for each zone).
- 4.3" touch screen back-lighted display for alert & evacuation zone selection, levels adjustment, settings and failure visualization.
- Fireman's monitored microphone on the front panel (included).
- Sending of EVACUATION and ALERT pre-recorded messages.
- 7 monitored control inputs, each of which is configurable to play evacuation and/or alert messages, programmable for each zone, or for the reset of the messages.
- 1 VOX input / 3 configurable relay outputs.
- Double output A+B per zone.
- Secure front-panel button for operating the emergency system complete with LED indicator.
- Front-panel reset button.
- Possibility to source either BGM or paging announcements from an auxiliary input or microphone.
- Possibility to connect up to 16 paging units.
- Possibility to connect up to 4 remote emergency microphone units or, as an alternative, up to 2 touch screen remote emergency microphone units.
- Possibility to connect further PAW4500-VES (up to 6 units).
- EN54-4 certified internal battery charger unit for 24Vdc secondary power supply (batteries not supplied).
- Industry-standard 19" rack-mounting format (optional).



TSB8500-V

Emergency touch screen units
(up to 2 per system)
As an alternative to
PMB132 Range units

The system can be completed with:



PMB132 Range

Emergency units
(up to 4 per system)



PMB Range

Paging units
(up to 16 per system)

Typical configuration

Model: PAW4502-V

Typical installation: bar, offices
No. of zones: 2
Zone outputs: no. 2 at 100V (A/B)

Model: PAW4504-V

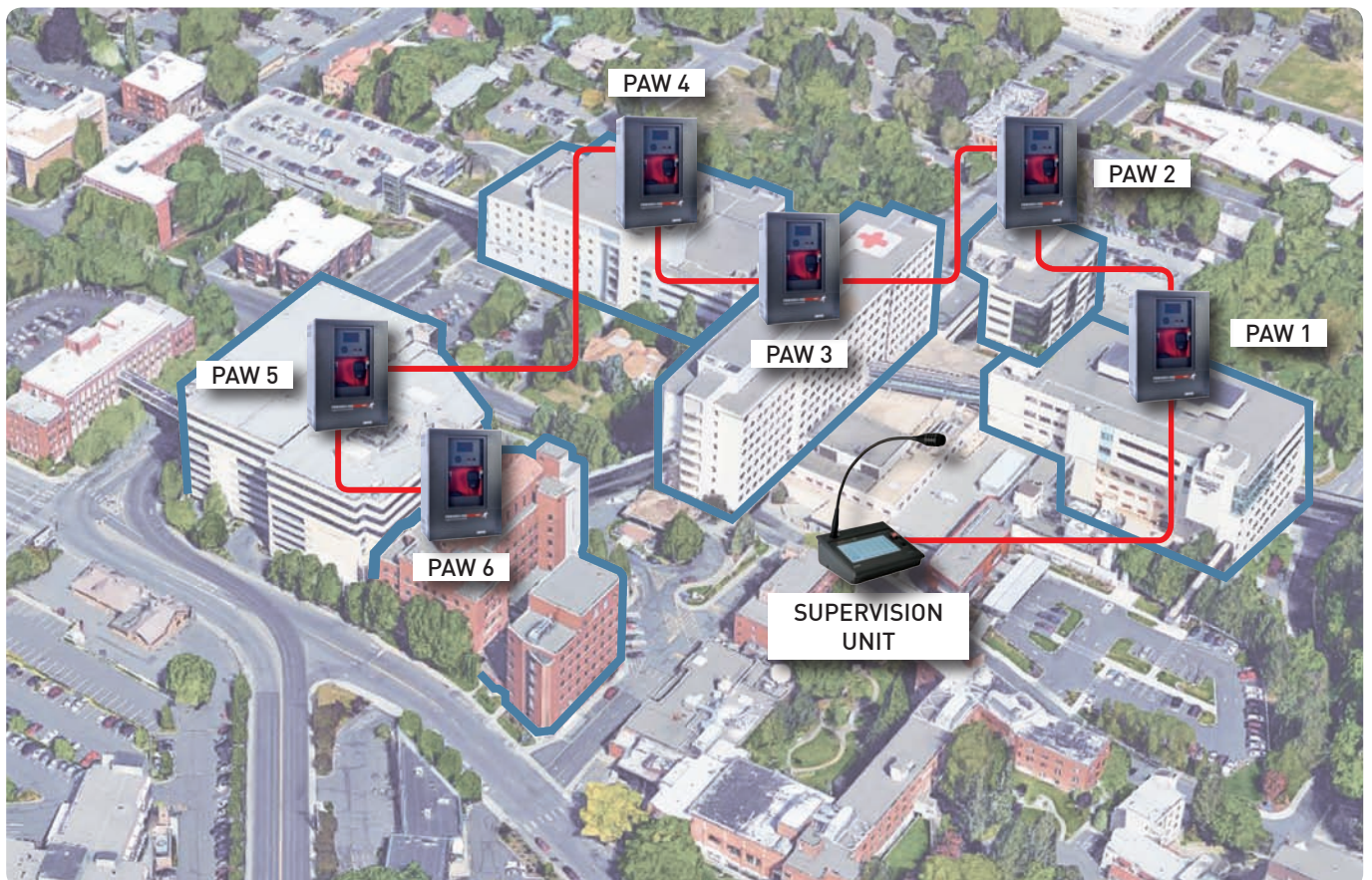
Typical installation: theatres, supermarkets
No. of zones: 4
Zone outputs: no. 4 at 100V (A/B)

Model: PAW4506-V

Typical installation: hospitals, shopping centers, hotels
No. of zones: 6
Zone outputs: no. 6 at 100V (A/B)



A zone output of any model can be configured as reserve for the others.



This application diagram shows a multi-building installation, composed by no. 6 PAW compact systems and no. 1 touch screen supervision unit.

MODEL	PAW4502-V		PAW4504-V	PAW4506-V
Audio rated power @230Vac	500 W / D=2,5% (typical distortion @ 25 W 0,025%)			
Audio rated power @24Vdc	400 W / D=10% (typical distortion @5 W 0,025%)			
Display	4.3" back-lighted touch screen 480x272 dots			
No. of PAW4500-VES/x per system	Max 6			
No. of zone/amplifiers	2	4	6	
INPUTS				
Emergency microphone	Balanced XLR-F, on the front panel Sensitivity/ impedance: signal level 20 mV / 10 kΩ Frequency response: 60 ÷20.000 Hz S/N ratio: 72 dB			
Paging units (DESK)	No. 1 Rj45 for paging units (PA) - Mod. PMB106-G, PMB112-G Sensitivity/ impedance: signal level max. 1400 mV / 85 kΩ Frequency response: 60 ÷20.000 Hz S/N ratio: 83 dB			
Emergency units	No. 1 Rj45 for emergency units - Mod. PMB132-V, PMB132/12-V or TSB8500-V Signal level max. 1400 mV / 85 kΩ Frequency response: 60 ÷20.000 Hz S/N ratio: 83 dB			
AUX (LINE-VOX)	Terminal strip, balanced (HOT-COM-GND), programmable mode: ON / OFF / VOX with A.P.T. Precedence input by closing contact activation Sensitivity/ impedance: 134 mV / 31 kΩ Frequency response: 90 ÷ 20.000 Hz S/N ratio: 81 dB / 85 dBA			
MUSIC	Terminal strip, balanced (HOT-COM-GND) Sensitivity/ impedance: 134 mV / 31 kΩ Frequency response: 90 ÷ 20.000 Hz S/N ratio: 81 dB / 85 dBA			
OUTPUTS				
Constant voltage outputs Double line (A/B)	2 zones for 100V lines Minimum 40 Ω	4 zones for 100V lines Minimum 40 Ω	6 zones for 100V lines Minimum 40 Ω	
	An output can be configured as a reserve for the others			
LINK	No. 2 Rj45 for connection to another PAW4500-VES unit Output level / impedance: 1 V / 400 Ω Sensitivity / Input impedance: 3600 mV / 3 kΩ			
Emergency controls • CONT. IN controlled inputs • R1, R2, R3 outputs	Programmable for normally active or normalli no-active state no. 7 inputs with diagnosis no. 3 relais for signalling of emergency state and faults, terminal strip N.O-N.C-Exchange			
OVERALL				
Mains power supply @230Vac Consumption @230 Vac	230Vac 50/60Hz +10/-15% 646 W full load (2amp active) 36 W no-load	230Vac 50/60Hz +10/-15% 653 W full load (2amp active/2amp stand-by) 43 W no-load	230Vac 50/60Hz +10/-15% 660 W full load (2amp active/4amp stand-by) 50 W no-load / Efficiency 75,6%	
Secondary power supply @24 Vdc (26,3 Vdc) Secondary power supply Consumption @24 Vdc	20 A full load 0,7 A no-load / quiescent 0,2 A no-load / energy saving	20 A full load 0,95 A no-load / quiescent 0,2 A no-load / energy saving	20 A full load 1,2 A no-load / quiescent 0,2 A no-load / energy saving	
Batteries (not included)	W-MS12/28 (26-28 Ah)			
Charger / Power supply unit	8 A (P max. a) 12 A (P max. b) 21 V (final voltage – detached battery) 27,2 V (complete load voltage)			
Operational environmental conditions	Temperature: +5°C ÷ +40°C Relative humidity: 25% ÷ 75% without condensate			
Type of installation	Wall mounting			
Dimensions (W x H x D)	430 x 620 x 240 mm			
Weight (without batteries)	19,3 kg			



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Detailed technical datasheets, operation diagrams and user
manuals of the main products are available at www.pasohelp.com

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Ed. 01/2017

09/95-E

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