

PAW4500-VES Range

500W Wall mounting compact Voice Evacuation Systems

A brand new range of compact systems - equipped with a **EN54-16** & **EN54-4** certified control unit - 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, up to 6 alarm zones via local controls, remote microphone station and controlled inputs.

Three available models:

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



Certificate no.
0068-CPR-038/2016



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).



MODEL	PAW4502-V	PAW4504-V	PAW4506-V
Audio rated power @230Vac *typical distortion @ 25 W 0,025%	500 W / D=2,5%*		
Audio rated power @24Vdc *typical distortion @5 W 0,025%	400 W / D=10%*		
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 • Sensitivity / Impedance • Frequency response • S/N ratio	Balanced XLR-F on the front panel Signal level 20 mV / 10 kΩ 60 ÷20.000 Hz 72 dB		
Paging units (DESK) • Sensitivity / Impedance • Frequency response • S/N ratio	No. 1 Rj45 for paging units (PA) - Mod. PMB106-G, PMB112-G Signal level max. 1400 mV / 85 kΩ 60 ÷20.000 Hz 83 dB		
Emergency units (EMG. DESK) • Sensitivity / Impedance • Frequency response • S/N ratio	No. 1 Rj45 for emergency units - Mod. PMB132-V, PMB132/12-V or TSB8500-V Signal level max. 1400 mV / 85 kΩ 60 ÷20.000 Hz 83 dB		
AUX (LINE-VOX) • Sensitivity / Impedance • Frequency response • S/N ratio	Terminal strip balanced (HOT-COM-GND) Programmable mode: ON / OFF / VOX with A.P.T. Precedence input by closing contact activation 134 mV / 31 kΩ 90 ÷ 20.000 Hz 81 dB / 85 dBA		
MUSIC • Sensitivity / Impedance • Frequency response • S/N ratio	Terminal strip balanced (HOT-COM-GND) 134 mV / 31 kΩ 90 ÷ 20.000 Hz 81 dB / 85 dBA		
Outputs			
Constant voltage outputs - Double line (A/B) <i>An output can be configured as a reserve for the others.</i>	2 zones for 100V lines Minimum 40 Ω	4 zones for 100V lines Minimum 40 Ω	6 zones for 100V lines Minimum 40 Ω
LINK • Output level / Impedance • Sensitivity / Input impedance	No. 2 Rj45 for connection to another PAW4500-VES unit 1 V / 400 Ω 3600 mV / 3 kΩ		
Emergency controls • CONT. IN controlled inputs • R1, R2, R3 outputs	Programmable for normally active or normally non-active state no. 7 inputs with diagnosis no. 3 relais for signalling of emergency state and faults, terminal strip <i>N.O-N.C-Exchange</i>		
Overall			
Mains power supply @230Vac Consumption @230 Vac	230Vac 50/60Hz +10/-15% 646 W full load (2amp active) 36 W no-load	230Vca 50/60Hz +10/-15% 653 W full load (2amp active/2amp stand-by) 43 W no-load	230Vca 50/60Hz +10/-15% 660 W full load (2amp active/4amp stand-by) Efficiency: 75,6% 50 W no-load
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-MS12/40 (40 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		