



The new era of
Voice Evacuation Systems

PAW5500-VES PAW51K-VES

Compact VES
For wall mounting





PAW5500-VES Range

500W Wall mounting compact VES

The PAW5500-VES compact systems - equipped with EN54-16 & EN54-4 certified control units - 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 remote microphone stations and controlled control inputs.

Three available models:

- PAW5502-V 500W / 2 zones | double output line (A+B)
- PAW5504-V 500W / 4 zones | double output line (A+B)
- PAW5506-V 500W / 6 zones | double output line (A+B)

But it's not over.....

Coming soon!



PAW51K-VES Range

1000W Wall mounting compact VES

A brand new range, also equipped with a EN54-16:2008 & EN54-4 certified control unit but these units **add to the PAW5500-VES functional features a real power boost: 1000 W!**

As for the PAW5500-VES units, they are able to manage, depending on the model, multiple alarm zones: in this case, **from 4 up to 6 zones**. Two models will be available:

- PAW51K4-V 1000W / 4 zones | double output line (A+B)
- PAW51K6-V 1000W / 6 zones | double output line (A+B)

PAW5500-VES & PAW51K-VES functional features:

- Rated audio output: 500 W / 1000 W overall, distributable freely among the zones with a maximum limit of 250 W per single zone.
- Backlit 4.3" display with touch screen for selecting the alert and evacuation zones and enabling navigation for adjusting volume levels, configuring the equipment and viewing failures.
- Handheld fireman's microphone (included).
- Double A+B output for each zone.
- Automatic stand-by amplifier management.
- Sending out of pre-recorded EVACUATION and ALERT messages.
- Sending out of pre-recorded BROADCAST messages (i.e. spots, announcements, sound bells).
- Playing back of pre-recorded messages via monitor loudspeaker.
- Double LINK line for connecting other PAW units (up to a total of 6 units).

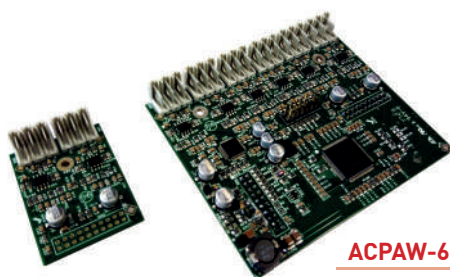
NEW



- Multilanguages management.
- Built-in SD/USB input for background music MP3 player.
- 7 off controlled contact inputs, configurable for active playing the evacuation and/or alert messages to the programmed zones or for reset.
- 1 off music input for sound sources.
- 1 off auxiliary input configurable as a music source, a call with precedence activation or a call with automatic activation (VOX).
- 3 off configurable relay outputs for faults/emergency conditions.
- Event log (list of failures and/or alarms that have occurred in the system).
- Protected local button for placing the system in an emergency state, equipped with its own LED.
- Local reset button.
- 3-band equalisation for each zone outputs.
- 3-band equalisation for music inputs.
- Timer to set the automatic broadcast messages sending out.
- Independent selection on each zone of the various audio sources (MUSIC IN, AUX IN, MP3 player and EXT).
- Up to 8 pre-recorded messages can be retrieved from outside through input contacts (of which 2 fixed emergency messages - 1 alert and 1 evacuation message - plus 6 that can be classed as emergency / evacuation / broadcast messages).
- Up to 16 **PMB106-G** and/or **PMB112-G** broadcasting microphone stations can be connected.
- Up to 4 **PMB132** remote emergency units can be connected (or, as an alternative, 2 touchscreen units **TSB8500-V**).
- **EN54-4** certified battery charger unit for 24Vdc secondary power supply (batteries not included).

Plus:

- Mounting on 19" rack (optional, with **ACPAW-RCK** accessory kit).
- Optional internal expansion card **ACPAW-2IN** for two additional music inputs (EXT 1 and EXT 2).
- Optional internal expansion card **ACPAW-6IN** with DSP for six additional music inputs.
- Up to 4 broadcasting stations can be set for local calls only (zones of the unit to which they are connected).



ACPAW-2IN
Expansion
2 inputs

ACPAW-6IN
Expansion
6 inputs

Complete your system with...



TSB8500-V

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



PMB Range

Paging units
(up to 16 per system)

PMB132 Range

Emergency units
(up to 4 per system)



ACPAW-RCK

Support kit for
rack mounting



MODEL	PAW5502-V	PAW5504-V	PAW5506-V	PAW51K4-V	PAW51K6-V
Rated audio output @230Vac	500 W / D=2,5%*		1000 W / D=2,5%*		
Rated audio output @24Vdc	400 W / D=10%*		800 W / D=10%*		
Display	4.3", backlit with touch screen, 480x272 pixels				
N° of PAW/x per system	Max 6 (ID 0÷5)				
N° of zones/amplifiers	2	4	6	4	6
Inputs					
Emergency microphone • Sensitivity / Impedance • Frequency response • S/N ratio	Balanced XLR-F on the front door Signal level: 20 mV / 10 kΩ 60 ÷ 20.000 Hz 72 dB				
Paging units (BROAD.) • Sensitivity / Impedance • Frequency response • S/N ratio	1 off Rj45 for paging units (PA) - PMB106/112 range Signal level: max. 1400 mV / 85 kΩ 60 ÷ 20.000 Hz 83 dB				
Emergency units (EMERG.) • Sensitivity / Impedance • Frequency response • S/N ratio	1 off Rj45 for emergency microphone units (PMB132 range 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	Balanced with terminals (HOT-COM-GND) Programmable in ON / OFF / VOX with A.P.T. modes Precedence input with contact closing activation 134 mV / 31 kΩ 90 ÷ 20.000 Hz 81 dB / 85 dBA				
MUSIC / EXT • Sensitivity / Impedance • Frequency response • S/N ratio	Balanced with terminals (HOT-COM-GND) 134 mV / 31 kΩ 90 ÷ 20.000 Hz 81 dB / 85 dBA				
Equalisation					
Independent equalisation for each zone	Independent 3-band equaliser Bass tones (100 Hz): ± 10 dB Middle tones (1 kHz): ± 10 dB Treble tones (10 kHz): ± 10 dB				
Independent equalisation for each music input					
Outputs					
Constant voltage outputs With double lines (A/B) One zone output can be configured as a standby for the others.	2 zones for 100V lines Minimum 40 Ω	4 zones for 100V lines Minimum 40 Ω	6 zones for 100V lines Minimum 40 Ω	4 zones for 100V lines Minimum 40 Ω	6 zones for 100V lines Minimum 40 Ω
REMOTE LINK A/B • Output level / Impedance • Sensitivity / Input impedance	2+2 off Rj45 for connection with other PAW5500-VES 1 V / 400 Ω 3600 mV / 3 kΩ			2+2 off Rj45 for connection with other PAW51K-VES 1 V / 400 Ω 3600 mV / 3 kΩ	
Emergency controls • Controlled inputs CONTACT • Outputs R1, R2, R3	Programmable for normally active or normally inactive state 7 off inputs with diagnostic 3 relays for signalling, state of emergency and faults, N.O-N.C-Exchange state				
General information					
Mains power supply @230Vac Consumption @230Vac	230 Vac 50/60Hz +10/-15% 646 W full load 36W no load	230 Vac 50/60Hz +10/-15% 653 W full load 47 W no load	230 Vac 50/60Hz +10/-15% 660 W full load Efficiency: 75,6% 58 W no load	230 Vac 50/60Hz +10/-15% 1280 W full load Efficiency: 75,6% 58 W no load	
Secondary power supply @24 Vdc (26,3 Vdc) Secondary power supply Consumption @24 Vdc	20 A full load 0,92 A no load / quiescent 0,3 A no load / energy saving	20 A full load 1,22 A no load / quiescent 0,3 A no load / energy saving	20 A full load 1,5 A no load / quiescent 0,3 A no load / energy saving	40 A full load 2 A no load / quiescent 0,37 A no load / energy saving	
Batteries	Suggested model: W-MS12/28 (26÷28 Ah) It is possible to use other batteries (18 Ah - 33 Ah - 40 Ah)			40 Ah batteries only	
Charger / Power supply unit	8 A (I max. a) 12 A (I max. b) 21 V (final voltage – detached battery) 27,2 V (complete load voltage)			16 A (I max. a) 24 A (I max. b) 21 V (final voltage – detached battery) 27,2 V (complete load voltage)	
Operating conditions	Temperature: +5°C ÷ +40°C Relative humidity: 25% to 75% (non-condensing)				
Type of mounting	Wall mounting				
Dimensions (W x H x D)	430 x 620 x 240 mm				
Net weight (without batteries)	20 kg			22 kg	

*typical distortion at 25 W 0,025%

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