

500 W EVAC SYSTEM FOR WALL MOUNTING

The new **PAW4500-VES** compact systems - equipped with a **EN54-16:2008 / EN54-4 certified control unit** - have been 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 line
- **PAW4504-V** 4 zones - double line
- **PAW4506-V** 6 zones - double line



Certificato n°

0068-CPR-038/2016

FUNCTIONAL FEATURES

- Audio rated power: 500 W freely distributed between the zones up to a maximum of 250W within a single 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.
- Sending of EVACUATION and ALERT pre-recorded messages.
- 7 monitored inputs, each of which is configurable for the playback or either evacuation or alert messages, programmable for each zone, or for the reset of the messages
- 1 auxiliary input for external sound sources.
- 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 PMB106-G, PMB112-G.
- Possibility to connect up to 4 remote emergency microphone units PMB132/12-V, PMB132-V or, as an alternative, up to 2 touch screen remote emergency units TSB8500-V.
- Possibility to connect further PAW4500-VES (up to 6 units).
- EN54-4 certified internal battery charger for 24 Vdc power supply (batteries not included).



TECHNICAL DATA

MODEL	PAW4502-V	PAW4504-V	PAW4506-V
Rated audio output @230Vac *typical distortion at 25 W 0,025%	500 W / D=2,5%*		
Rated audio output @24Vdc *typical distortion at 25 W 0,025%	400 W / D=10%*		
Display	4.3" , backlit with touch screen, 480x272 pixels		
N° of PAW4500-VES/x per system	Max 6 (ID 0 to 5)		
N° of zones/amplifiers	2	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 (DESK) • Sensitivity / Impedance • Frequency response • S/N ratio	1 off Rj45 for paging units (PA) Signal level: max. 1400 mV / 85 kΩ 60 ÷20.000 Hz 83 dB		
Emergency units (EMG. DESK) • Sensitivity / Impedance • Frequency response • S/N ratio	1 off Rj45 for emergency microphone stations 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 • 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		
Outputs			
Constant voltage outputs With double lines (A/B) <i>One zone output can be configured as a standby 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	2 off Rj45 for connection with another PAW4500-VES unit 1 V / 400 Ω 3600 mV / 3 kΩ		
Emergency controls • Controlled inputs CONT. IN • 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, <i>N.O-N.C-Exchange state</i>		

TECHNICAL DATA

MODEL	PAW4502-V	PAW4504-V	PAW4506-V
General information			
Mains power supply @230V _{AC} Consumption @230V _{AC}	230 V _{AC} 50/60Hz +10/-15% 646 W full load (2amps active) 36 W a vuoto	230 V _{AC} 50/60Hz +10/-15% 653 W full load (2amps active / 2amp standby)	230 V _{AC} 50/60Hz +10/-15% 660 W full load (2amps active / 4amp standby) Efficiency: 75,6%
Secondary power supply @24 V _{DC} (26,3 V _{DC}) Secondary power supply Consumption @24 V _{DC}	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	Suggested model: W-MS12/28 (26÷28 Ah) It is possible to use other batteries (18 Ah - 33 Ah - 40 Ah)		
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)		
Environmental operating conditions	Temperature: +5°C ÷ +40°C Relative humidity: 25% to 75% (non-condensing)		
Type of mounting	Wall mounting		
Dimensions (L x H x P)	430 x 620 x 240 mm		
Net weight (without batteries)	19,3 kg		

LIST OF OPTIONAL FUNCTIONS

CLAUSE	DESCRIPTION
7.6.2	Manual muting of voice alarm condition
7.7.2	Manual resetting of voice alarm condition
7.9	Output for signalling a voice alarm condition
8.3	Indication of fault affecting the transmission paths
8.4	Indication of fault affecting the alarm zones
10	Manual control of voice alarms
11	Interface for external control device(s)
12	Emergency microphone(s)
13.14	Redundant power amplifiers

LIST OF THE AUXILIARY FUNCTIONS

DESCRIPTION
Broadcast calls
Background music