

"LIGHT" WALL MOUNTING ALL-IN-ONE SYSTEM

2-zones / 500 W EVAC Compact System

The new **PAW3502-V** compact system - equipped with a **EN54-16:2008 / EN54-4 certified control unit** - has been designed for ease of installation and for operating in a vast range of applications.

This system is able to manage 2 alarm zones via local controls, remote microphone station and controlled inputs.

Due to a great quality/price ratio, the PAW3502-V is the single solution ideal for small installations, such as restaurants and shops.



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.
- n°1 music input for sound sources.
- n°1 configurable relay output.
- 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 microphone units.
- Possibility to connect up to 4 remote emergency microphone units PMB132/12-V.
- EN54-4 certified internal battery charger for 24 Vdc power supply (batteries not included).



TECHNICAL DATA

MODEL	PAW3502-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" retroilluminato con touch screen 480x272 punti
N° of zones/amplifiers	2
Inputs	
Emergency microphone • Sensitivity / Impedance • Frequency response • S/N ratio	Dynamic, XLR-F socket on the front door Signal level: 20 mV / 10 kΩ 60 ÷ 20.000 Hz 72 dB
Emergency units (EMG. DESK) • Sensitivity / Impedance • Frequency response • S/N ratio	1 off RJ45 for PMB132-V, PMB13/12-V emergency microphone stations Signal level: max. 1400 mV / 85 kΩ 60 ÷ 20.000 Hz 83 dB
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>	Load impedance for single zone ≥ 40 Ω Overall load impedance for all zones ≥ 20 Ω 2 zones for 100V lines
Emergency controls • Controlled inputs CONT. IN • Output R1	Programmable for normally active or normally inactive state 7 off inputs with diagnostic 1 relay for signalling, state of emergency and faults, <i>N.O-N.C-Exchange state</i>
GENERAL INFORMATION	
Mains power supply @230Vac Consumption @230Vac	230Vac 50/60Hz +10/-15% 646 W full load (2amp active) 36 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
Batteries (not included)	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