

Section

EN54 Voice Evacuation Systems

Category

PAW Series - All-in-one systems for wall mounting

Code

PAW2252-V

References

Emergency: EN 54-16:2008, EN 50849,
EN54-4:1997 + A1:2002 + A2:2006
Cert. No. 0068/CPR/161-2021



Description

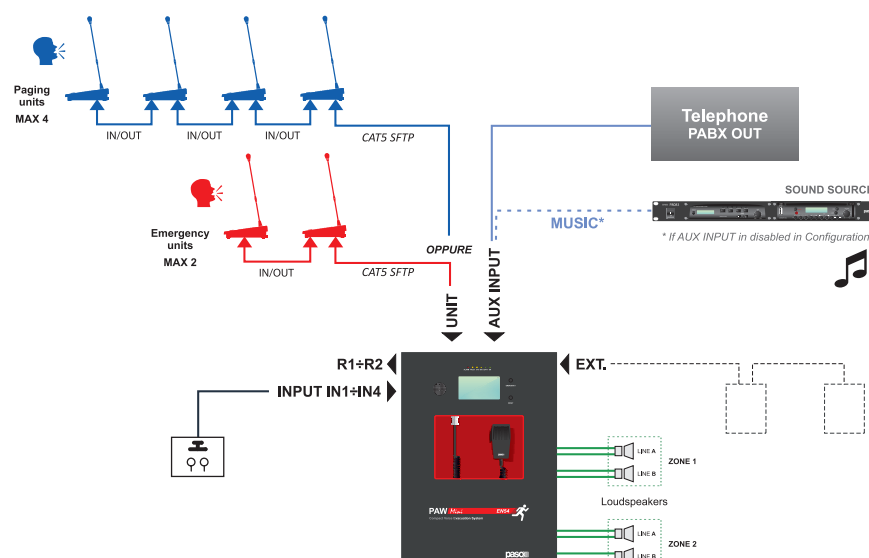
Wall mounted integrated Voice Evacuation System - 250 W, 2 zones (A+B)

The **PAW2000-VES** series of the new **PAW Mini** range of integrated voice evacuation systems for emergency facilities, has been specifically designed for wall-mounting and equipped with control units, certified in compliance with **EN 54-16:2008 / EN 54-4** standards. The **PAW2252-V** model is capable of managing **2 alarm zones**, with an overall power of **250 W**, as well as remote microphone stations and controlled inputs to be connected to a central fire-fighting system.

FUNCTIONAL FEATURES

- Rated audio output: 250 W.
- 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 paging microphone.
- Sending out of pre-recorded EVACUATION and ALERT messages.
- 4 off controlled input contacts, configurable for playing the evacuation and/or alert messages to the zone, for resetting the messages or for signalling the failure of an external equipment.
- 1 off auxiliary/music input configurable as a music source, a call with precedence activation or a call with automatic activation (VOX).
- 2 off configurable relay outputs.
- Local button for placing the system in an emergency state, equipped with its own LED.
- Local button for resetting the fault acoustic signal and stopping playing out of alarm messages.
- EN54-4 certified internal battery charger unit for 24Vdc secondary power supply.
- Possibility to connect up to 4 **PMB** broadcasting microphone units or - as an alternative - up to 2 **PMB132** remote emergency units.
- An optional extension card can be used for broadcast general calls towards other connected units or as an additional music input.
- Possibility to set a standby amplifier.

Typical configuration



Technical data

MODEL	PAW2252-V	
Rated audio output @230 VAC	250 W	
Rated audio output @24 Vdc	200 W (THD=10%)	
Rated audio output @21,5 Vdc	158 W (THD=10%)	
Display	4.3” , backlit with touch screen, 480x272 pixels	
No. of zones/amplifiers	2	
Inputs		
Emergency microphone • Sensitivity / Impedance • Frequency response • S/N ratio	Dynamic XLR-F w/P.T.T. (Push To Talk) on the front door Signal level: 20 mV / 10 kΩ 110 ÷ 10.000 Hz 61 dB	
Paging / Emergency units (UNIT) • Sensitivity / Impedance • Frequency response • S/N ratio	1 off Rj45 for paging units (PA) or emergency units (VES) Signal level: max. 850 mV / 8 kΩ 60 ÷20.000 Hz 84 dB	
AUX INPUT (LINE VOX) / MUSIC • 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 160 mV / 40 kΩ 40 ÷ 20.000 Hz 73 dB	
Outputs		
Constant voltage outputs	2 zones A/B for 100V lines - Minimum 40 Ω	
Emergency controls • Controlled inputs (IN1÷IN4) • Outputs R1, R2	Programmable for <i>normally active</i> or <i>normally inactive</i> state 4 off inputs with diagnostic 2 off relays for signalling, state of emergency and faults (24 Vdc / 1 A each) <i>N.O-N.C-Exchange</i> state	
General information		
Mains power supply	230 Vac 50/60Hz +10/-15%	
Consumption @230VAC	330 W full load 33 W quiescent	
Secondary power supply	24 VDC (2x 12 Vdc batteries)	
Consumption @24VDC	9,8 A full load 940 mA quiescent 0,22 A energy saving	
Batteries	12 Ah - Ri max. 250 mΩ	24 h in standby + 1/2 h full power alarm message
	18 Ah - Ri max. 167 mΩ	72 h in standby + 1/2 h full power alarm message
Charger / Power supply unit	9 A (I max. a) 11 A (I max. b)	
	21 V (final voltage – detached battery) 27,2 V (complete load voltage)	
Internal fuses	V~ 2AT _L / V= 10AT _L	
Environmental 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)	360 x 495 x 193 mm	
Net weight (without batteries)	11,5 kg	

Technical data

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)

LIST OF THE AUXILIARY FUNCTIONS

DESCRIPTION
Broadcast calls
Background music