



INTRODUCTION TO THE SYSTEM

Integrated voice evacuation system for emergency installations, designed with cabinet for wall installation.

Designed for small applications where EN54-16:2008 and EN54-4 certification is required.

All-in-one: integrates all the electronics to compose a complete system, working, EN54 certified. Batteries are to be ordered separately.

Equipped with a certified control unit conforming to EN 54-16:2008 and EN 54-4 it is able to manage 1 general alarm zone with power amplifier 250W.

CE certifications. Certificate EN50849 EN54-16, EN54-4.

The system can be integrated with remote microphone stations.

The inputs must be controlled and connected to a fire-fighting plant.

TECHNICAL FEATURES

All-in-one audio voice evacuation system, 1 zone power 250W RMS .

CE certifications. Certificate EN60849 EN54-16, EN54-4.

Power supply 230vac - 50/60HZ

Backup power supply 24V

(2 batteries x 12V 12 Ah each, cod. [Vivaldi EN54 BATTERIA12AH](#) to be ordered separately)

1 zone A/B for 100V lines

Internal autonomy:

12 Ah - Ri max. 250 mΩ, 24 h in standby + 1/2 h in alarm condition

18 Ah - Ri max. 167 mΩ 72 h in standby + 1/2 h in alarm condition

Maximum consumption 660VA

Rated audio power 250W @ 1% THD at 100V speaker lines

Emergency microphone: Dynamic XLR-F on the front door with P.T.T. button (Push To Talk)

- Sensitivity / Impedance: Signal level: 20 mV / 10 kΩ
- Frequency response: 110 ÷ 10,000 Hz
- S/N ratio: 61 dB

PA stations / Emergency (UNIT) No 1 Rj45 for call units or emergency stations

- Sensitivity / Impedance: Signal level: max. 850 mV / 8 kΩ
- Frequency response: 60 20,000 Hz
- S/N ratio: 84 dB

AUX INPUT (LINE VOX) / MUSIC: Terminal balanced (HOT-COM-GND)

Programmable for ON / OFF / VOX mode with A.P.T.

Priority input with contact closure activation

- Sensitivity / Impedance: 160 mV / 40 kΩ
- Frequency response: 40 ÷ 20,000 Hz
- S/N ratio: 73 dB

Emergency controls: Programmable for normally active or normally off state.

- Controlled inputs (IN1 IN4): No 4 inputs with diagnosis
- Outputs R1, R2: No 2 relays for signalling and emergency and fault status (24vdc / 1A each).

Automatic detection of break line, short circuit or loss of efficiency

User interface Status LEDs, touch display, navigation menu with password access

1xDisplay 4.3" backlit with touch screen for the selection of warning and evacuation zones and navigation for adjusting levels, luminaire configuration, fault display.

1x FF handheld microphone.

Sending pre-recorded messages of EVACUATION and ALERT.

1xAdditional Input/Music configurable as music source, call with previous activation or call with automatic activation (VOX).

2xContact output to relay

1xEmergency buffer with protection

1xRead Reset Hearing Indicator

1xAbstrcted monitor in front panel

1xRJ45 connector for remote FF base connections

Internal battery monitoring, resistance and voltage control

Possibility to connect up to 4 remote emergency stations Vivaldi EN54 EVO500.BVF, Vivaldi EN54 EVO500.B12Z

Optional Vivaldi EN54 EVO.EXPIBOARD extension board to make a general call on all connected devices or to have an additional music input.

Powder coated steel chassis.

Dimensions (WxHxD) 360x495x193 mm.

Weight 11.5 Kg (excluding batteries).

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