

VAC 2006 CONTROLLER

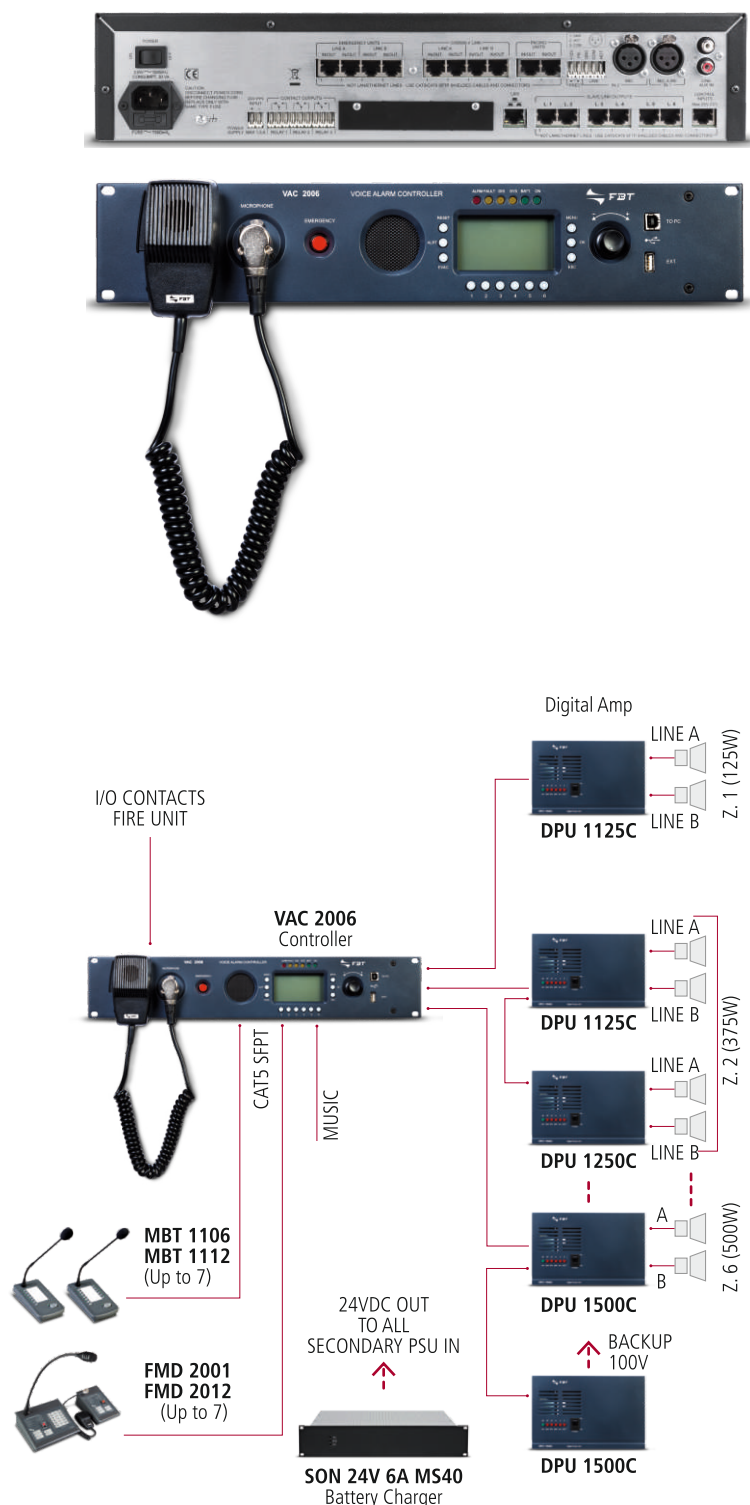
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Description

This new range of products has been designed and engineered to offer the most innovating solutions in the realization of alarms systems, in order to manage emergency situations and to permit the guided evacuation, according to actual regulations (EN 54-16, ISO 7240-19, EN 60849). The complete architecture of VAIE2250 system is based on the controller VAC2006, the management and diagnostic unit. It is highly recommended for big as well as small installations, where high performance of security, flexibility and easiness are required. CAT-5e SF/UTP network assures an easy connection of the several units, controllers, routers, digital amplifiers and emergency and /or paging call stations. This solution performs in efficient and economic installation, allowing the usage of both local and centralized equipment.

Main features

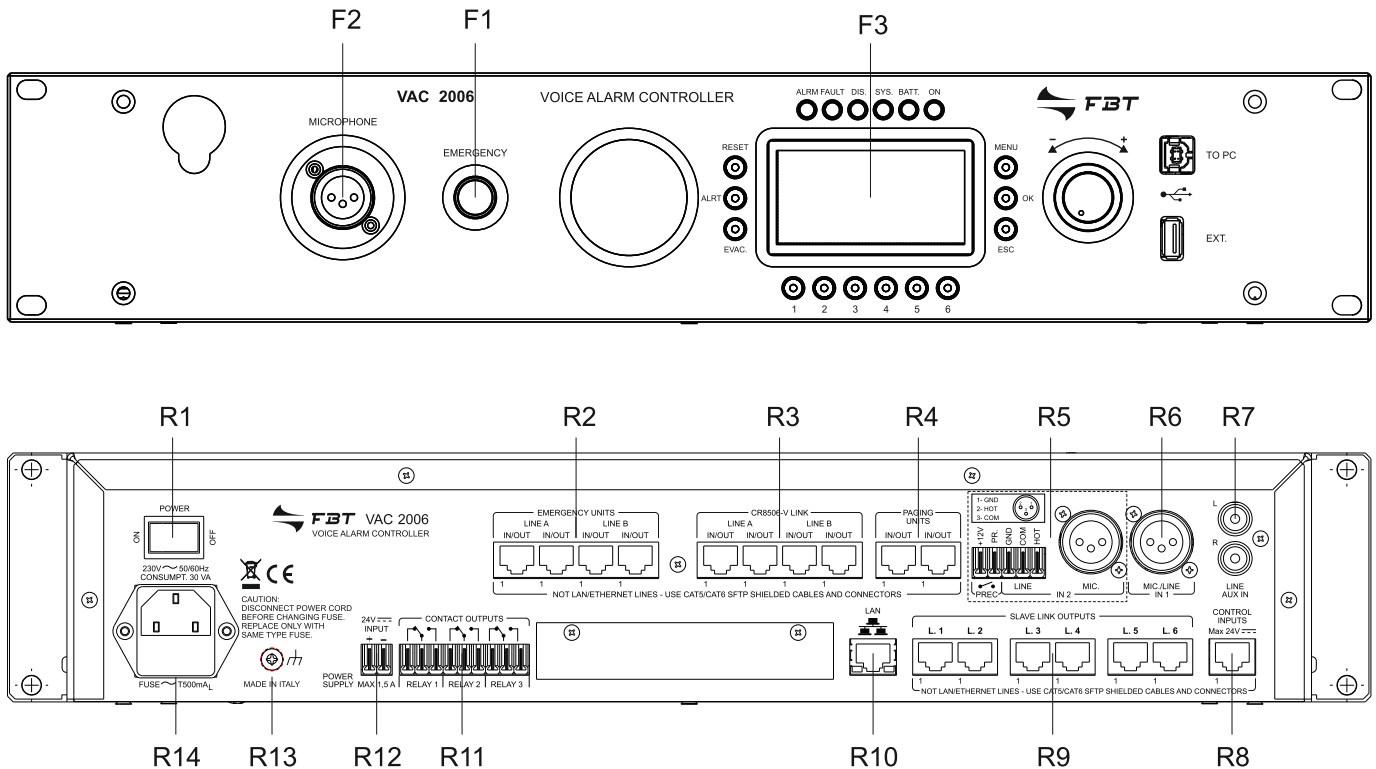
- Controlled emergency microphone
- 2-channel broadcast system
- Built-in message generator to broadcast prerecorded messages (EVAC and ALERT)
- USB input for background music source
- Back-up power amplifier management
- Secondary emergency power supply input (24Vdc)
- 7 controlled input contacts
- 3 relay outputs
- 6 control lines for DPU digital amplifiers and/or router VAR2006 and/or integrated voice evacuation system
- 4 redundant lines to connect other VAC2006 in daisy chain (max.6)
- 2 redundant lines for emergency microphone consoles, MBT range (max.7)
- 2 lines for call stations MBT range (max. 16 with 7 priority levels)
- Graphic display 128x64 pixel monochrome, for display multiple windows management
- Complete diagnostic of system fault events
- Standard rack mounting 19" (2 units)



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References



- F1. Flush-mounted push-button for activating the Manual emergency mode.
- F2. Hand-held microphone with a Push-to-Talk (PTT) key for live emergency announcements.
- F3. Backlit black-and-white graphic display, 128x64 pixels.
- R1. ON/OFF switch
- R2. Inputs for connecting remote emergency microphone stations (MBT).
- R3. Sockets for connection between VAC2006 controllers (up to 6 units).
- R4. Input for connecting broadcast paging units.
- R5. Balanced input for a microphone or outside source / Terminal block for connecting a precedente contact.
- R6. Input for external microphone.
- R7. Input for connecting an external source of music.
- R8. 7 monitored digital inputs for control via external peripheral units.
- R9. 6 output lines for connection to amplifiers of the DPU range and / or VAIE2250 compact system and / or VAR2006 routers.
- R10. Socket for connecting a Local Area Network with TCP/IP protocol for an Ethernet 10/100network.
- R11. 3 relay outputs for signalling towards external peripheral units.
- R12. Terminals for 24Vdc external power supply.
- R13. Frame earthing connection.
- R14. Plug for 230Vac mains power supply, with built-in fuse.

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Technical data

Display	3", backlit, 128x64 dots
Inputs	
USB-EXT.	Powered USB input on the front panel - Type A socket
Emergency microphone • Sensitivity / Impedance • Frequency response / S/N ratio	Balanced XLR-F on the front panel Signal level 20 mV / 10 kW 60 ÷ 20.000 Hz / 72 dB
IN.1 Socket (MIC.) • Sensitivity / Impedance • Frequency response / S/N ratio	Programmable for the following modes: ON / OFF / Precedence / VOX with A.P.T. Balanced XLR-F (with possibility of activating 24 V phantom power supply) Signal level Min. 3 mV - Max 100 mV / 1,8 kW 240 ÷ 20.000 Hz / 63 dB
IN.2 Socket (MIC.) • Sensitivity / Impedance • Frequency response / S/N ratio Socket (LINE) • Sensitivity / Impedance • Frequency response / S/N ratio	Programmable for following modes: ON/ OFF / Precedence / VOX with A.P.T. Balanced XLR-F (with possibility of activating 24 V phantom power supply) Signal level Min. 3 mV - Max 100 mV / 1,8 kW 240 ÷ 20.000 Hz / 63 dB Balanced with terminals(HOT-COM-GND) Max signal level 1800 mV / 31 kW 60 ÷ 20.000 Hz / 84 dB
AUX • Sensitivity / Impedance • Frequency response / S/N ratio	RCA stereo socket for source of sound (BGM) – Conversion to mono Max signal level 1800 mV / 31 kW 60 ÷ 20.000 Hz / 84 dB
Paging units • Sensitivity / Impedance • Frequency response / S/N ratio	2 RJ45 for calling (PA) units ranges. Max signal level 1400 mV / 85 kW 60 ÷ 20.000 Hz / 83 dB
EMERGENCY UNITS	RJ45 for connection to a dedicated emergency microphone station.
Outputs	
SLAVE LINK OUTPUT • Output level / Impedance	RJ45 for connection to an VAR2006 / DPU / VAIE2250 unit Max 2000 mV / 400 W
CR8506-V LINK • Output level / Impedance • Sensitivity / Input impedance	RJ45 for connection to a VAC2006 unit Max 2000 mV / 400 W 2000 mV / 50 kW
Emergency controls • CONTROL INPUTS inputs • CONTROL OUTPUTS outputs	Programmable as Normally Activated or Normally De-activated. 7 inputs with diagnostics. 3 relays for signalling emergency conditions and failures, NO-NC-Changeover terminals.
Precedence IN 1 - IN 2	Precedence input with terminals with common +12 V_{dc}.
LAN	Presa LAN Rj45 per collegamento TCP/IP a web server.
Overall	
Mains power supply @230V _{ac} Consumption @230V _{ac}	230 Vca 50/60 Hz ±10% 10 W
External power supply @24V _{dc} Consumption @24V _{dc}	24 Vcc (min 22Vcc ÷ max 28Vcc) 0,3 A
Environmental operating conditions	Temperature: +5°C to +40°C / Relative humidity: 25% to 75% non-condensing
Mounting	Direct to rack 19" (2U).
Size of unit (L x H x D) Size of package (L x H x D)	482 x 88 x 220 mm 522 x 155 x 292 mm
Net weight Gross weight	4,5 kg 5,5 kg