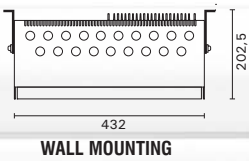
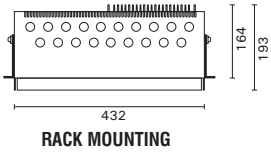
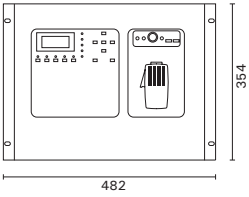


# VAIS 1000

MODULAR INTEGRATED VA SYSTEM

VAIS 1000 VOICE-EVAC SYSTEM



## All-in-one, modular, integrated system for voice evacuation in emergency situations.

The VAIS 1000 is a high quality, all-in-one modular voice alarm system, specially designed to provide simple, effective provision of a fully EN60849 and BS5839 compliant voice alarm system. An effective Voice Evacuation system's main function is to provide clear and intelligible voice messaging reproduction, to advise people of the presence of fire or emergency alert via the fire detection system to which the VA system is connected. A VAIS 1000M single module system can be configured either as Master, Slave or Extension unit

to allow increased numbers of zones from one fire detection system. This allows configuration of single and multi-zone VA systems, ideal for medium to large installations such as offices, retail, leisure complexes, hotels and community centres. Applied as additional extension modules, the VAIS 1000 can be daisy-chained to provide greater amplification power for additional loudspeakers in large-scale applications such as shopping centres, cinema complexes and warehouses. The system provides further flexibility to differentiate between voice announcement and background music using the dedicated input features.

- VAIS 1000** Fully compliant to Norm EN60849/BS5839 the VAIS 1000 is capable of:
- Effective and reliable use in emergency situations
  - Indicating system faults
  - Transmitting voice alarm messages
  - Functioning without mains supply power (using internal battery backup)
  - Providing secondary backup amplification
  - Providing active connection to a fire detection system



FBT  
www.fbt.uk.com

Within one integrated and compact, wall and rack-mountable 19 enclosure, the VAIS 1000 features as standard:

Matrix with prioritized pre amplifier circuitry comprising:

- 6 input channels for background music (auxiliary CD/Tape/Tuner and USB input for MP3 audio files recorded onto a USB memory stick)
  - Fireman-specific microphone input for announcing instructions for effective evacuation procedure
  - Desk Paging Microphone input
  - Internal MP3 evacuation and alert messaging generator
  - External message generator
- Digital message generator on internal non-volatile memory. Messages can be recorded via auxiliary microphone input, fireman's microphone or auxiliary input for CD/Tape/

Tuner. MP3 messages can also be transferred from a PC via the USB port

Fireman's Microphone used for announcements in emergency situations. System includes diagnostic circuitry to detect microphone faults

2 x Audio Power Amplifiers with isolated output transformer (100V line)

1 x Monitored Spare Audio Amplifier - automatically switches in to replace a faulty amplifier

1 x 12V 18Ah Internal Backup Battery, capable of powering the VAIS 1000 for 24hours in stand-by mode, 30 minutes in emergency messaging active mode.

Internal Battery Charger (temperature compensated).

Fire Detection System Interfaces:

- receive command signal to

activate general emergency message

- receive command signal to activate local emergency message
- receive command signal to activate local alert message
- send audio system fault alarms (Interfaced via RS385 or 3 x logic-controlled inputs, 2 x logic-controlled outputs)

RS485 network connection between VAIS1000 Module and MBT VAIS1008 Desk Paging Microphone

LCD 16 x 4 display

PC connection via USB port for system setup

RJ45 Network Connection.

Allows network of up to 16 VAIS 1000 Modules and 4 MBT VAIS 1008 Paging Microphones, with a maximum of 8 zones

Quick paging push buttons and audio source selection in

emergency situations

Push button controlled System Monitor:

- Fault; displays any faults in the system
- Alarm; monitors system in emergency condition
- Test system maintenance of all functions. (Zone under maintenance is not available to paging signal, but remains fully operative in emergency conditions)
- Disabled; completely disables specific zones

Individual VAIS 1000 Module status indication:

- Primary power supply presence (230V AC)
- Secondary power supply presence (12V DC)
- Module fault indication
- Disabled condition
- Master Module condition

## MBT VAIS 1008

## Desk Paging Microphone



The MBT VAIS 1008 is an 8 zone desk microphone for normal paging announcements. It also provides general system information via LED indicators

such as:

- Presence of the primary power supply
- Presence of the secondary power supply
- Fault on any part of the system
- Full system operation

<b>Model:</b>	<b>VAIS 1000 M</b>
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### Power Supply

Primary power supply	230V 50Hz
Secondary power supply	Battery 12V 18Ah
Internal battery charger (max current)	13.8V 2.5A (temperature compensated)

### Amplifier

Frequency response	100Hz~20KHz
Harmonic distortion @ 1kHz	< 0.5%
Continuous power	2 x 60W
Spare amplifier power	1 x 60W
Max continuous output power with discharged battery	2 x 25W
Output	2 x 100V line speaker

### Audio Source

USB flash disk connector for MP3 background music

Internal MP3 message generator

Internal fireman's microphone

Tuner/CD/Tape input

External fireman's microphone

External background music

External message generator

### Fire System Interface

2 controlled outputs (fault, emergency)	3.3 kohm (end of line resistor)
3 optoisolated controlled inputs (Local emergency message, General emergency message, Alert message)	

RS485 interface

### Message Generator

MP3 player (message generator, background music)

MP3 Recorder (via Aux microphone, Fireman's microphone, Tuner/CD/Tape input)

MP3 recording time 80 seconds

### Network

Interface	RS485
Number of zones	Maximum of 8
Number of VAIS modules	Maximum of 16
Display	4 lines x 16 characters

### Weight

### Dimensions

Weight	18kg
Dimensions	432 x 354 x 193mm

### European Standards

EN60839, EN60065, EN80449, BS5839Pt.8

MBT VAIS 1008

