GENT
by Honeywell

VOICE ALARM
SOLUTIONS BROCHURE

The Role of
Voice Alarm

Voice Alarm is increasingly important in the safe management of buildings. A voice message informs occupants exactly what to do in an emergency and it is a long established fact that people respond more quickly and are more likely to take the correct action during an evacuation if voice messages are used instead of tone sounders.

Benefits

- Clear directions to people in the building

- Live messages giving exact instructions to people who are not familiar with the surroundings

- Customised pre-recorded messages (available in multiple languages)

- Improved management of phased evacuation

- Non-emergency functionality (public address announcements, background music and advertisements)

Public Address

Voice Alarm systems are not only used for public buildings with a high number of visitors, but are also used more and more for public address and entertainment systems.

Types of buildings that benefit from both Voice Alarm and Public Address:

- Airport / bus stations

- Hotels

- Medical centres

- Schools

- Offices

- Shopping centres

- Stadiums

- Theatres

Offices   Shopping Centres   Airports   Hotels   Schools

Voice Alarm
Made Simple

Selecting, designing and commissioning a VA/PA system can be complicated. At Honeywell we have a team of experts that will help you build the most suitable system for your building.

The first step is to decide exactly what type of VA/PA system you'll need. This will largely depend on the size and complexity of your building.

The following three types of systems are available that start from small 'Stand Alone' packages suitable for single storey buildings such as shops and offices and move up to custom made 'Networked Systems' that will consist of a number of systems linked together for large structures such as exhibition halls and airports.

Key Features

- Control and Indicating Equipment Certified to EN54 Part 16
- Complete range of EN54-24 certified loudspeakers
- Flexible systems that supports both simple and the most complex communication needs
- High quality digital audio
- Touchscreen Graphical User Interface that manages the entire system
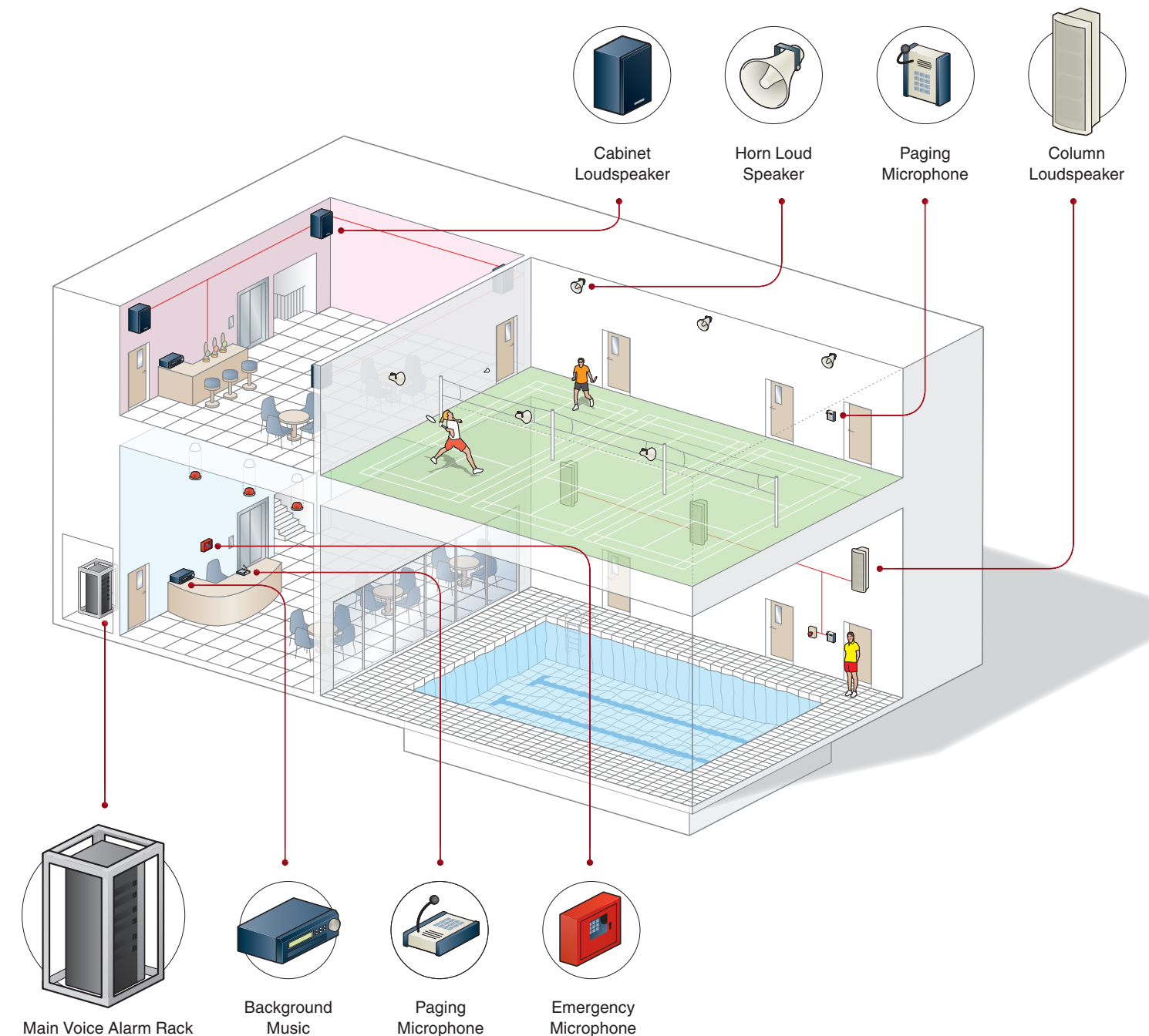- Dedicated Honeywell design and project support

Stand Alone

An easy-to-install VA/PA solution.
Suitable for small to medium buildings.

Applications

- Leisure complexes
- Schools
- Small hotels
- Theatres
- Offices

Benefits

- 'Off the Shelf' Package
- Easy to install
- Small and compact
- Ensured compliance to BS/EN standards

Cabinet Loudspeaker

Horn Loud Speaker

Paging Microphone

Column Loudspeaker

Main Voice Alarm Rack

Background Music

Paging Microphone

Emergency Microphone

Leisure complexes

Schools

Small Hotels

Theatres
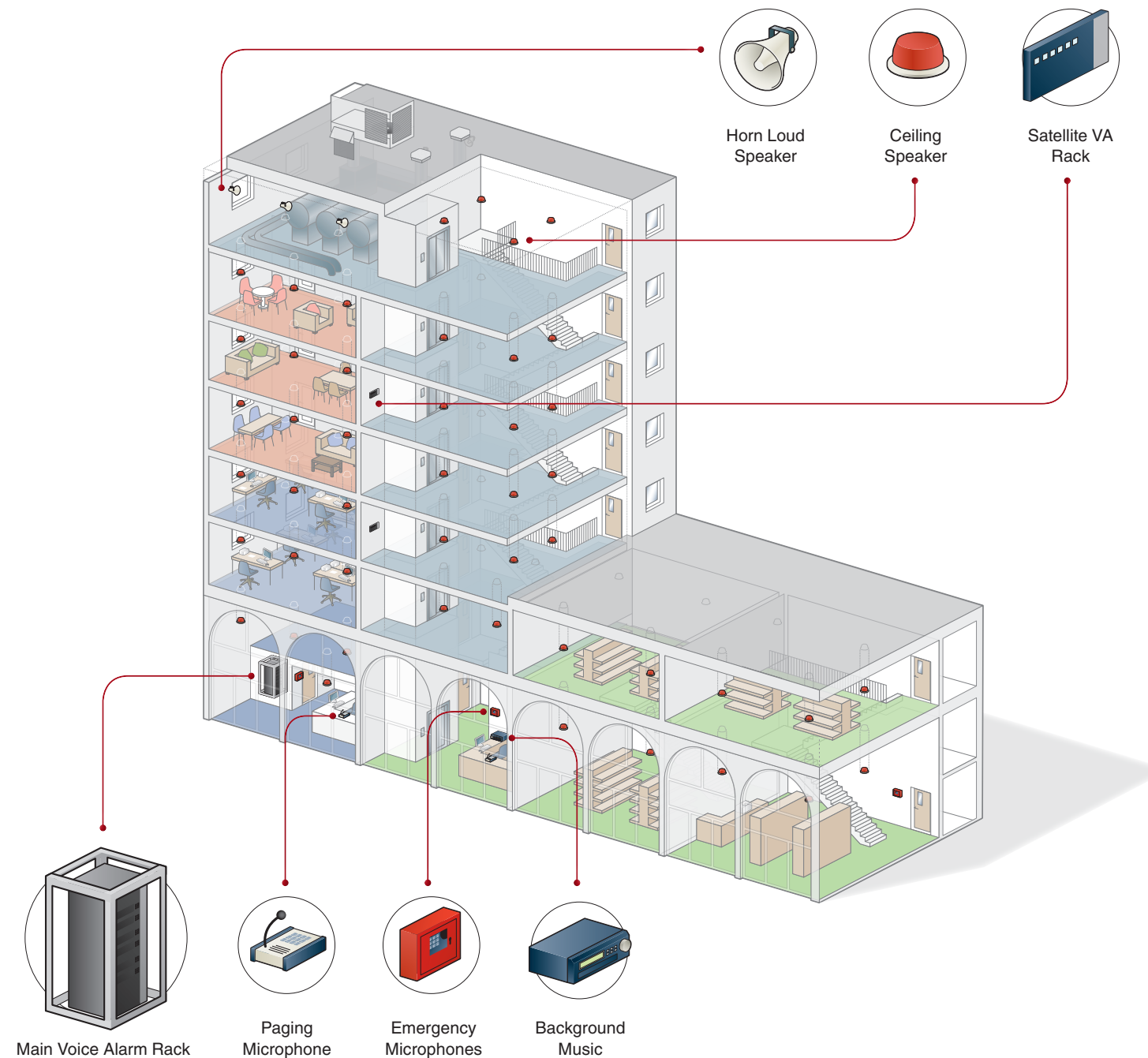
Offices

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Custom Made

Need an advanced VA/PA solution for your building? Our custom made rack systems cater for all types of buildings. Suitable for medium to large sites.

Applications

- Shopping centres
- Stadia
- Transport hubs
- Large office complexes

Benefits

- System capable of supporting a large number of evacuation and/or paging zones
- Capable of managing complicated evacuation strategies in the event of an emergency
- Ability to prioritise multiple audio inouts and outputs (Microphones, background music etc..)
- Ensured compliance to BS/EN standards

Horn Loud Speaker

Ceiling Speaker

Satellite VA Rack

Main Voice Alarm Rack

Paging Microphone

Emergency Microphones

Background Music

Shopping centres

Stadia

Transport hubs

Large office complexes

Support

Our dedicated Design Support Services Team will be on hand ensuring you always have access to specialists in Voice Alarm design and installation offering:

- System design service
- Acoustic design support and modeling (where required)
- Loudspeaker layouts
- Design solution – cost effective design for the application of systems
- Rack build
- Commissioning support
- Factory acceptance testing
- Training
- Technical support
- Continual Professional Development support available

Customised Control

The PAMMI (Public Announcement Man Machine Interface) software provides connection and control of the Honeywell Voice Alarm System via a graphical user interface on a Microsoft Windows® based personal computer.

Key Features

- Full-screen application, may be operated with touch screen
- Graphic display (e.g. building layout)
- Zone scheme with selection and status
- Recording, prior listening and discarding of announcements
- Simultaneous playback of prerecorded audio messages
- Scheduler function for automatically controlled audio messages
- System status indication and logging

Scalable

Our VA/PA systems can be networked together to deliver the most comprehensive and powerful solution for a wide range of applications. Suitable for large and complex sites.

Applications

- Universities
- Airports and Transport hubs
- Exhibition halls
- Shopping centres
- Large Office buildings

Benefits

- High bandwidth for large sites
- Scalability and modular to adapt to constant changes and demands
- IP connectivity to link multiple sites to 1 control or command centre
- All system sizes network ready

Ceiling Speaker

Paging Microphone

Column Loudspeaker

Library
Halls
Lecture Hall

Computer Monitor Station (PAMMI)

Main Voice Alarm Rack

Background Music

Emergency Microphone
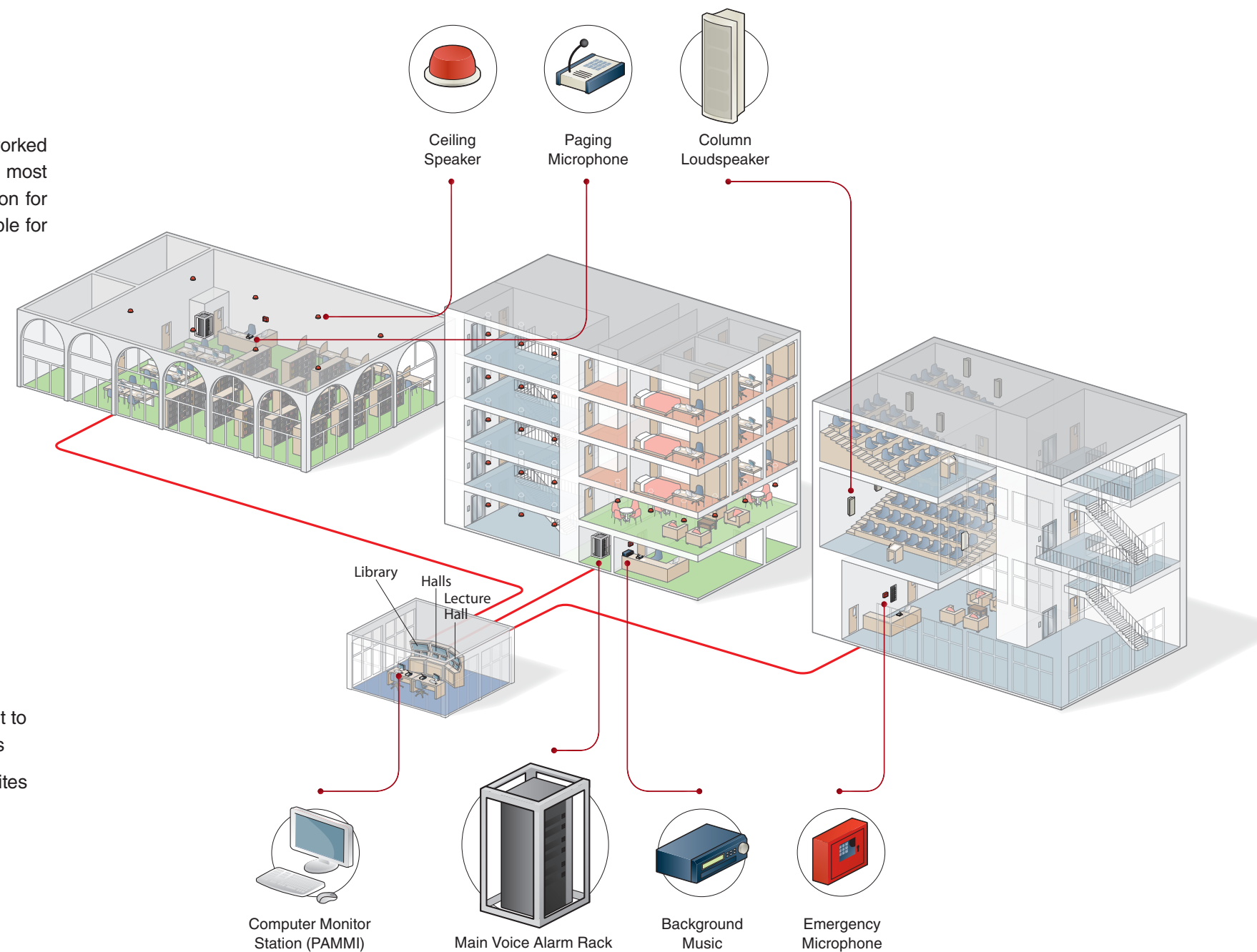
Universities

Airports

Exhibition Halls

Shopping Centres

Offices

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Product Range

The products that make up the Honeywell Voice Alarm System are listed below and our dedicated Design Support Services Team is always on hand to ensure you have access to specialist knowledge on our comprehensive Voice Alarm and Loud Speaker range.

System Components

Comprio
Comprio is a voice alarm system that's optimised for small and medium-size facilities such as schools, hotels, leisure centres and offices. It's characterised by its compact design, wide performance range and its flexibility.

Emergency Microphones
Emergency Microphone used to select and broadcast preprogrammed alarm messages and live voice announcements during emergency situations.

Digital Output Module (DOM)
The Digital Output Module (DOM) is the heart of the Honeywell Voice Alarm and Public Address system. Managing either 8 or 24 zones the DOM routes up to 4 channels of audio via amplifiers to any individual zone or groups of zones.
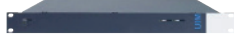
Visual Control Module (VCM)
The VCM enables the standardised display of messages and has a 5-button operator control panel. At least one VCM is required for EN54-16 systems.

Class D Power Amplifiers
Combining the latest in digital audio technology with the integrity necessary for emergency Voice Alarm systems to satisfy the requirements of EN54 part 16.

Universal Interface Module (UIM)
Interface module enables audio or control connection to third party systems such as CD players, security systems and other PA/VA or building management control systems.

Direct Drive Power Amplifier
4-channel Direct Drive Amplifier rack mountable amplifier unit providing a 4 x 125W power outputs, with integral battery charger.

System Communication Unit (SCU)
The System Communication Unit (SCU) serves as a digital audio memory source able to simultaneously record and play back multiple audio data streams.

Paging Microphone
The paging microphone DCS15 (and expansion module, DKM18) allows for the selection of loudspeaker zones, and the transmission of voice announcements.

PAMMI Public Announcement User Interface
The PAMMI software provides connection and control of the Honeywell Voice Alarm System via a graphical user interface on a Microsoft Windows® based PC.

Loudspeakers

Time Control Module (TCM)
The Time Control Module ensures time synchronization via GPS signal. Ideal for exact timing of automated announcements, timed volume adjustments or the exact documentation of system events.

Contact Interface Module
Interface module providing 8 control contacts which can be configured as either inputs or outputs enabling the system to be controlled externally and to provide system status information and cause and effect control/management.

Loop Technology
The Honeywell VA loop is a new technology for optimising the reliability of the loudspeaker connection using an open and short-circuit-resistant loop is monitored by loop isolation modules.

Honeywell 5 and 6.5 inch Ceiling Loudspeaker
5'' and 6.5' ceiling loudspeaker designed for flush mount in suspended ceiling and ideal for even sound distribution.

6 watt Ceiling Loudspeaker 5" *6 watt Ceiling Loudspeaker 6.5"*

Honeywell 6W Cabinet Loudspeaker
6W voice alarm cabinet loudspeaker.

Honeywell 10W and 20W Unidirectional projection Loudspeaker
10W and 20W unidirectional projection loudspeaker.

10W Unidirectional Projection Loudspeaker *10W Unidirectional Projection Loudspeaker*

Honeywell 20W Bidirectional Loudspeaker
20W bidirectional projection loudspeaker.

Honeywell 20W and 40W Column Loudspeaker
20W column loudspeaker.
40W column loudspeaker.

20W Column Loudspeaker *40W Column Loudspeaker*