Voice Alarm Solutions

MORLEY IAS
FIRE SYSTEMS
by Honeywell

LPCB C€ VdS

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 eg background music, routine paging, class change

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

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.
We offer three types of systems:

- 'Stand Alone' systems are suitable for single storey buildings ie shops and offices
- 'Custom Made' rack systems can be tailored to meet your specific requirements ie shopping centres and large office complexes
- 'Scalable' systems consist of a number of systems linked together for larger structures ie Stadia and airports

Key Features of Voice Alarm

- 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

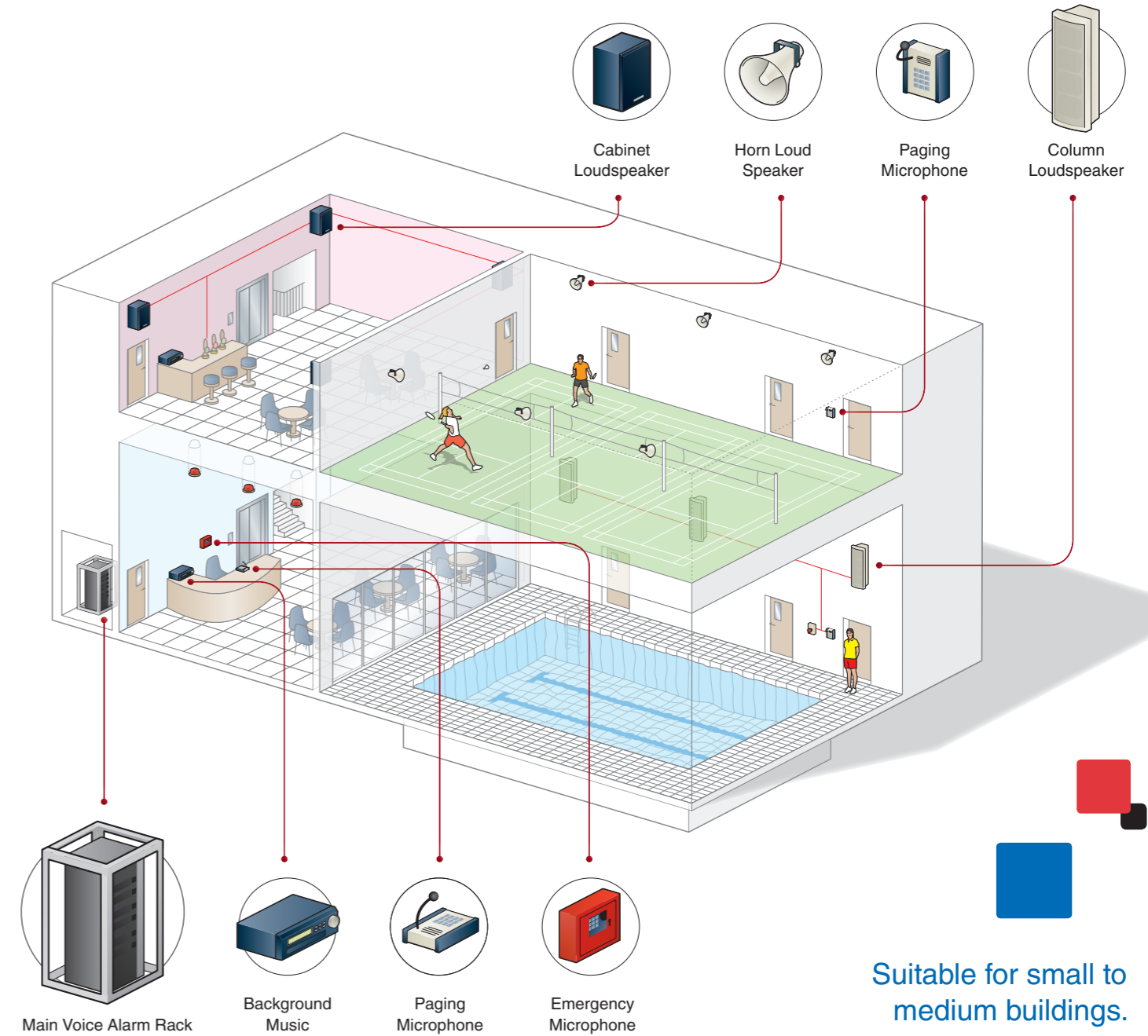# Stand Alone

An easy-to-install VA/PA solution.

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

Suitable for small to medium buildings.

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

Custom Made

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

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
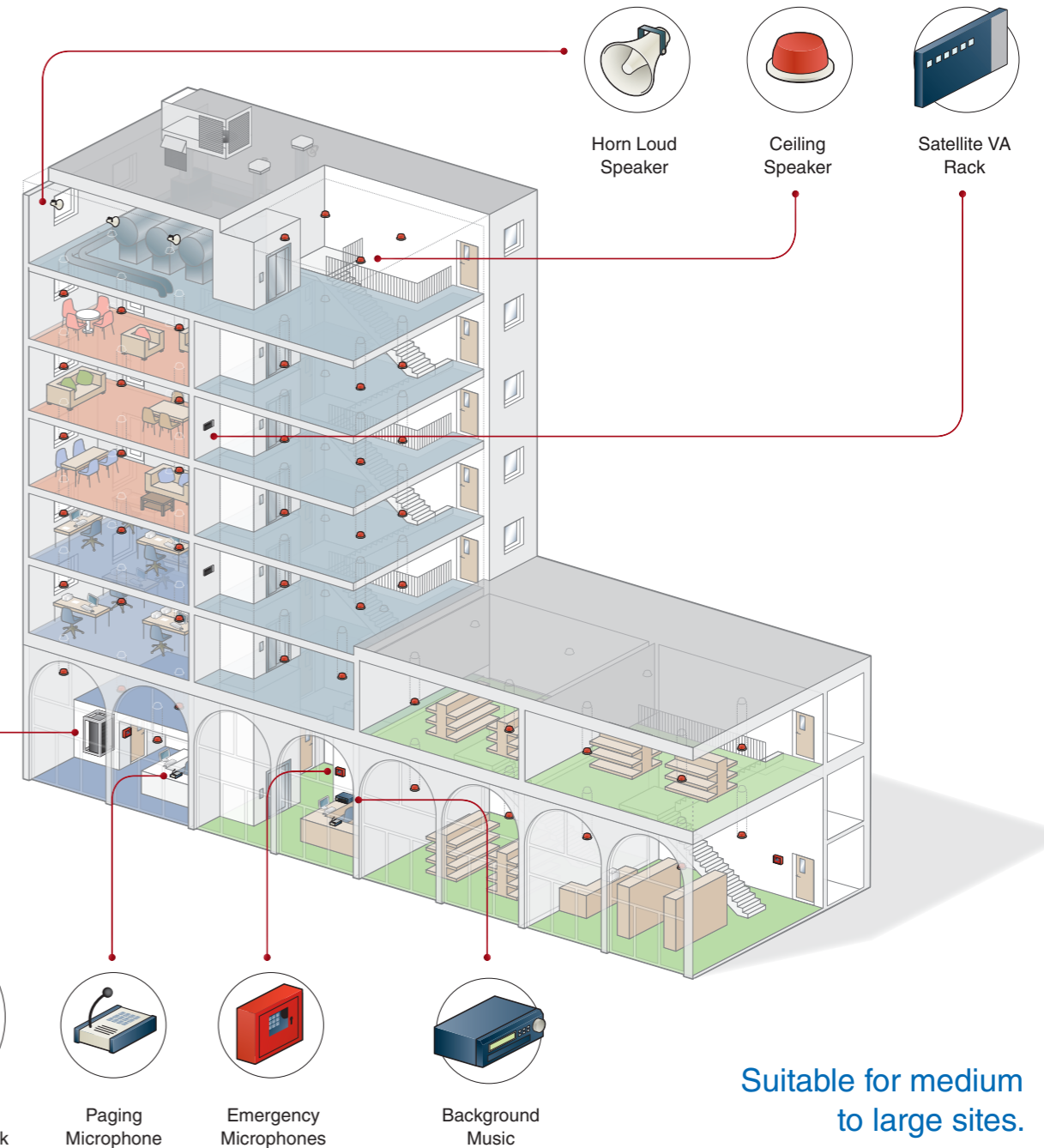
Suitable for medium to large sites.

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.

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
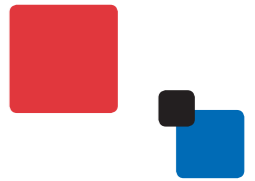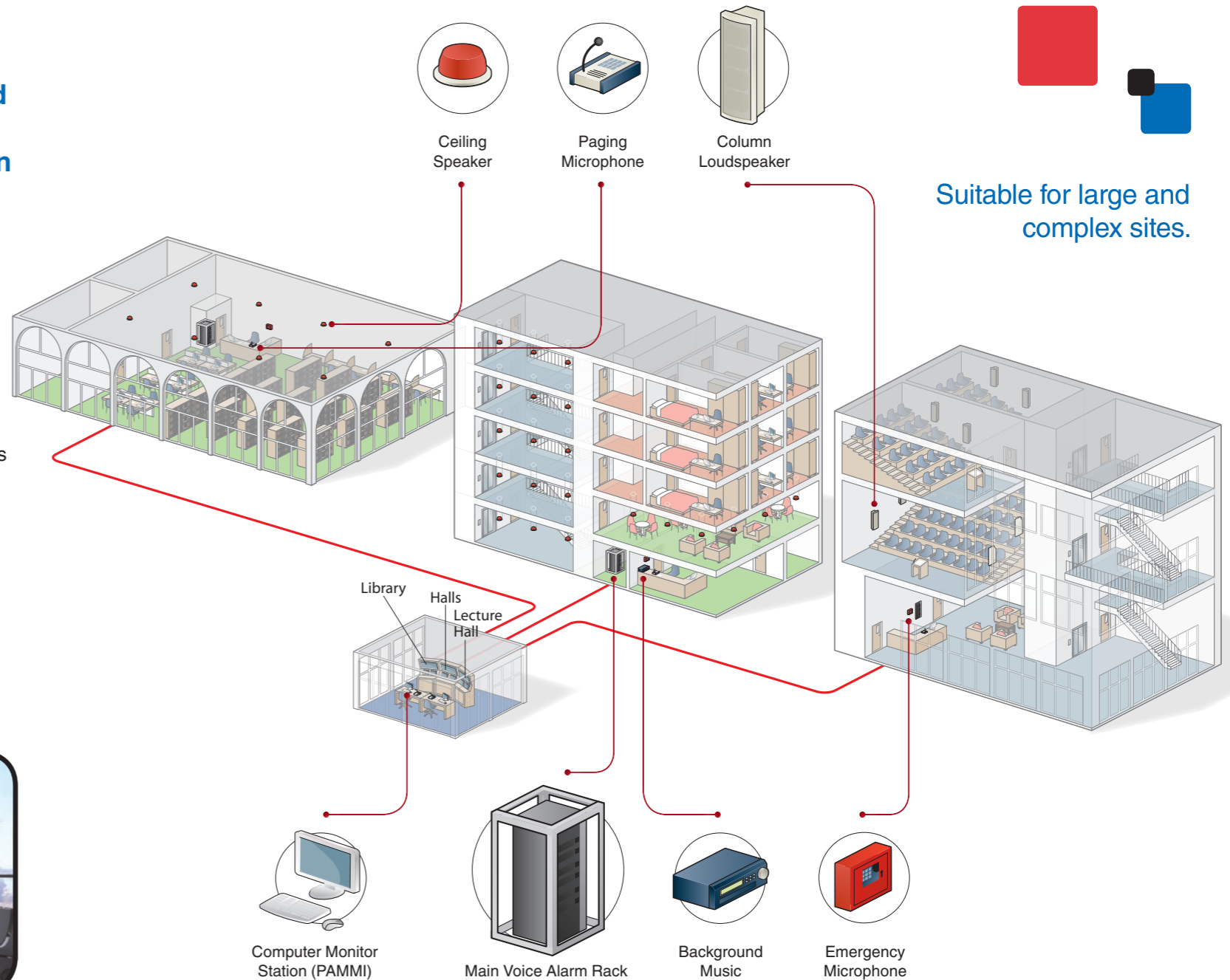
Suitable for large and complex sites.

Ceiling Speaker

Paging Microphone

Column Loudspeaker

Library

Halls

Lecture Hall

Computer Monitor Station (PAMMI)

Main Voice Alarm Rack

Background Music

Emergency Microphone

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.

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.

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.

Direct Drive Power Amplifier

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

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.

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.

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.

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.

System Components

Paging Microphone

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

Emergency Microphones

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

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.

Loudspeakers

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

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.

Honeywell 6W Cabinet Loudspeaker

6W voice alarm cabinet loudspeaker.

10W Unidirectional Projection Loudspeaker   10W Unidirectional Projection Loudspeaker

Honeywell 10W and 20W Unidirectional projection Loudspeaker

10W and 20W unidirectional projection loudspeaker.

Honeywell 20W Bidirectional Loudspeaker

20W bidirectional projection loudspeaker.

20W Column Loudspeaker   40W Column Loudspeaker

Honeywell 20W and 40W Column Loudspeaker

20W column loudspeaker. 40W column loudspeaker.
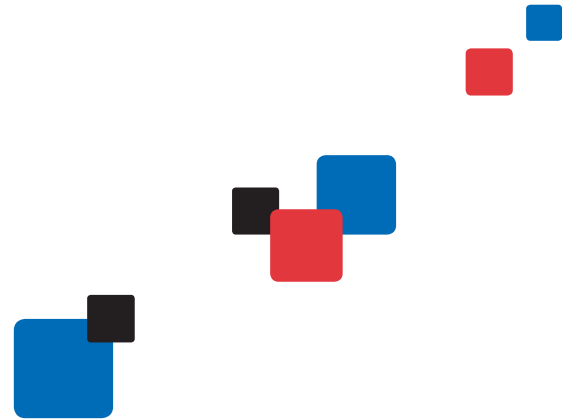
Distributor Contact Details:

For further details on these or any other Morley-IAS products please contact your local distributor, Morley-IAS Business Manager or via our contact details found below. Morley-IAS by Honeywell - Providing a control panel solution, for fire industry professionals.

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