Notifier by Honeywell: Voice Alarm Solutions
The role of Voice Alarm

As modern buildings become more complex, it is vital to manage people safely in an emergency.

Voice messages are far more effective than tone signals alone

Research has shown in an alarm situation

- 13% of people reacted in a timely manner to a bell or tone
- 75% of people reacted quickly to a voice message explaining the nature of the emergency

Voice Alarm systems provide

- Clear directions to people in the building
- Opportunities for live messages giving exact instructions where people are not familiar with the surroundings
- Improved management of phased evacuation

Meeting the needs for general communication

Many buildings have the need for non emergency communication with occupants to enhance the productivity of an organisation:

- Public Address (PA) is critical to the use of the building e.g. in a transport hub
- General information
- Entertainment such as background music
- Spot advertisements in retail environments

A VA system can combine the function of Voice Alarm with Public environments Address and Entertainment

- A simple and cost effective solution for both emergency and non-urgent use

1: David Cantor, 'Studies of Human Behaviour in Fire: Empirical results and their implications for education and design.' Published by BRE, July 1985.
The Notifier Solution

Whatever fire alarm system you require, large or small, we offer the same professional approach and a straightforward way of working. Every business is unique and we ensure that you get the system that is right for you. We have the flexibility to adapt to your changing circumstances and, as your requirements evolve, Notifier remains committed to offering the best service standards and a level of care that sets us apart from our competitors.

We provide the highest quality and most complete product line; prompt on-time delivery and competitive pricing. Notifier works with a network of fire installation, commissioning and maintenance companies, who have completed a comprehensive training programme, and have direct access to extensive product, technical and application support. So, when it comes to installing a system in buildings with specific requirements you can be confident you are working with a company with the experience and expertise to meet the challenge.

Flexible, Expandable, Backward Compatible

Lifetime cost of ownership is often overlooked when selecting a fire alarm and detection system. Scheduled maintenance, system testing and changes necessary to meet the evolving needs of your business can add significant costs. The proven reliability of our systems is backed by our commitment to support and backward compatibility. So, by choosing a Notifier system you can be confident of choice, flexibility and value for money throughout the lifetime of the system.
What do I need to know?

It is important to understand your responsibilities and the regulations that must be followed.

Overview of standards and regulations

To design any voice alarm system you will need to understand your basic responsibilities under BS5839 part 8.

BS5839 part 8

This is the code of practice for the design and installation of emergency voice evacuation systems.

This sets out all the necessary information you need to design a VA system, and the criteria you need to consider to ensure the integrity of the system through installation commissioning and maintenance.

EN54 part 16

Defines the functionality of the voice alarm equipment and every voice alarm system must be certified to this standard.

The rack system is certified as a complete unit therefore it is no longer possible to build a system using components from 3rd party suppliers.

Notifier by Honeywell support

Design support services

Most Voice alarm systems are relatively simple. However, most have at least one application where a little specialist knowledge is necessary.

What we offer

A free voice alarm system design service through our Notifier engineered systems distributors.

- Acoustic design support
- Loudspeaker layouts
- Design solution - cost effective design for the application of systems
- Peace of mind
- No hidden obstacles
- Acoustic modelling (where required)

Fully compliant product range

Our range of VA products fully complies with and are certified to EN54 Part 16.

Project support

During the delivery phase of the project we will offer the following

- Rack build
- Commissioning support
- Factory acceptance test

Emergency risk assessment drives customer requirements

System type

V1 - Automatic announcement
V2 - Automatic and live emergency messages
V3 - Live announcements to select zones
V4 - Manual routing of messages fully engineered system
V5 - Fully engineered systems

Non emergency functions

voice alarm and public address

- Microphones and other inputs
- Background music and entertainment
- Security messages
- Commercial announcements
Notifier by Honeywell
D1 Voice Alarm System

The D1 system combines advanced audio management with a flexible architecture to deliver an advanced voice alarm and public address system suitable for a wide range of applications.

Benefits
- Scalable modular system to suit any building size
- Flexible paging and voice alarm supports both simple and the most complex communication needs
- Integrated life safety operation with Notifier fire systems and certified to EN54 part 16
- High efficiency Class D amplifiers deliver high quality digital audio
- High band width network for large distributed systems
- Simple management of system configuration using windows based tool
Voice alarm systems are not only used for public buildings with a high number of visitors, but are also being used more and more for public address and entertainment systems. A PA VA system integrated with fire detection delivers significant economies of scale along with the security of operation associated with a life safety system.

Integration of the fire detection technology and evacuation systems offers substantial benefits over separate systems.

**System components**

**Digital Output Module (DOM)**

At the heart of the D1 system 2 variants of DOM manage 4 audio channels to either 8 or 24 loudspeaker circuits:
- Audio quality and graphic equalisation
- Monitoring of the audio signal from source to loudspeaker
- Configuration of emergency evacuation
- Routing of paging and entertainment

**Advanced Class D amplifiers**

- 2 x 250W or 2 x 400W versions
- High frequency range to suit all applications
- Full power performance in battery standby

**Paging microphones**

- Emergency microphones in accordance with EN54 part 16
- Modular range of paging microphones with up to 128 configurable control buttons
- Connection of data and power over standard structured cable

**Ancillary control units**

- System communication unit for digital storage recording & playback of multiple audio data streams
- Universal interface module for interface with analogue audio and system control through 48 control contacts.

Components of a D1 ‘rack based’ system from Notifier
NOTIFIER by Honeywell: World class fire detection and alarm systems

Safety, Integrity and Heritage.

NOTIFIER by Honeywell is the world's largest manufacturer and supplier of engineered fire alarm systems. With over 400 Engineered Systems Distributors worldwide, and regional support on every continent, we have the flexibility to meet our customers' requirements.

With over 50 years of experience, we offer unrivalled specialist knowledge and products designed to meet all needs. NOTIFIER offers a comprehensive line of quality fire detection and alarm control solutions.

These include everything from smoke detection and notification, non-addressable fire alarm panels, analogue addressable systems, to advanced network and integration packages. As a leader in the fire safety market, NOTIFIER is dedicated to the highest standards of service and product quality. Our operations are accredited to ISO 9001 and our products are designed and manufactured to meet every major international approval, including LPCB, VdS, UL, ULC and BOSEC/ANPI.

NOTIFIER is a division of Honeywell International, a diversified technology and manufacturing leader, serving customers worldwide. By partnering with NOTIFIER, you have the reassurance of working with a company of global standing that provides cutting edge fire detection systems.

Local distributor
Visit www.notifierfiresystems.co.uk to find your local distributor.