



## WES3

Enhanced *wireless fire, evacuation and medical alert system* for construction site safety

RAMTECHGLOBAL.COM

# Protect your site with WES3

WES3 is the latest in fire and emergency alarm system innovation developed by the fire experts at Ramtech Electronics and is used on sites across the world, from the UK to Australia and Spain. This advanced alarm system has been developed to provide a simple, fast and secure method of communicating fire and medical emergencies across sites.

The most advanced system we have produced, the fully EN54 certified WES3 system has been created to safeguard your personnel and property:

## ■ Designed for construction

To develop WES3, Ramtech's team of radio and electronics experts worked in direct collaboration with some of the UK's leading construction companies.

## ■ Designed to perform

WES3 units have been independently tested and have been designed with safety in mind - that's why WES can be found on numerous construction sites across the UK and globally, including the likes of Manchester Airport and Nottingham Castle.

## ■ Built to last

Our WES3 units are covered by a full 2 year manufacturer warranty, and have a 3-year battery life under normal conditions and usage. The system is fully compliant to EN54 standards.

## The brand-new features for WES3 include:

### ■ NEW WES3 CONNECT control unit

The latest nerve centre of the system, including improved connectivity via 3G/4G, larger colour screen, numerical key pad and improved ergonomics. Traditional WES3 Base Station also available.

### ■ Medical alert

Raise a request for medical attention from any call point in the network, which pinpoints the exact location of the alert.

### ■ System polling

Polling mode provides an integrity test of your WES3 network, confirming any additional or removed units.

### ■ Inspection delay

Enables site managers to establish whether a false alarm has been raised before evacuating site. It can also be used to undertake a staged evacuation process.

### ■ Pre-alarm functions

Turn off the alarm sounder on other stations and enable a lower level alert to indicate.



The WES3 range at a glance



# WES3 at a glance

## High performance

The system uses Category 1, Euro-harmonised radio in compliance with European standards covering the use of radio technology in emergency equipment (ETSI 300-220-1).

## Robust and reliable

WES3 is independently tested to strict EN54 harmonised standard, CE marked and compliant with all key safety legislation. Our robust and hard-wearing units are suitable for internal or external use, with weather sealing and a 3-year battery life under normal use.

## Internationally recognised

The WES range has grown to become a truly global alarm system, currently protecting sites in over 20 countries around the world. Using our innovative radio technology, WES3 has been developed to satisfy all applicable Radio and Communications legislation in international territories, including the relevant parts of ETSI, EN54, FCC and EMC test standards.

## Proven technology

With an excellent track record of performance, all WES units are designed and manufactured in Nottingham UK, and shipped worldwide, with over 150.000+ units supplied globally so far.

## Fully supported

Our dedicated helpline and training team are always on hand to support you, from introductory training and workshops for your site staff through to system trouble shooting, our team are with you every step of the way.

## Simple, self-install

The completely wireless units connect on site to form a secure and stable radio mesh network with no need for specialist wiring, cabling or external power.



# WES3 system components

## Strobe and Sounder Call Point

Manual Call Point allows a fire alarm to be raised from any unit on site, to initiate a site-wide alarm (or activate optional pre-alarm function). It also includes Medical Alert.



## Dust Resistant Smoke Detector

Unique to WES, the dust resistant detector with dual optic technology minimises risk of false alarms and provides 24/7 protection in unoccupied areas of site or overnight/weekends.



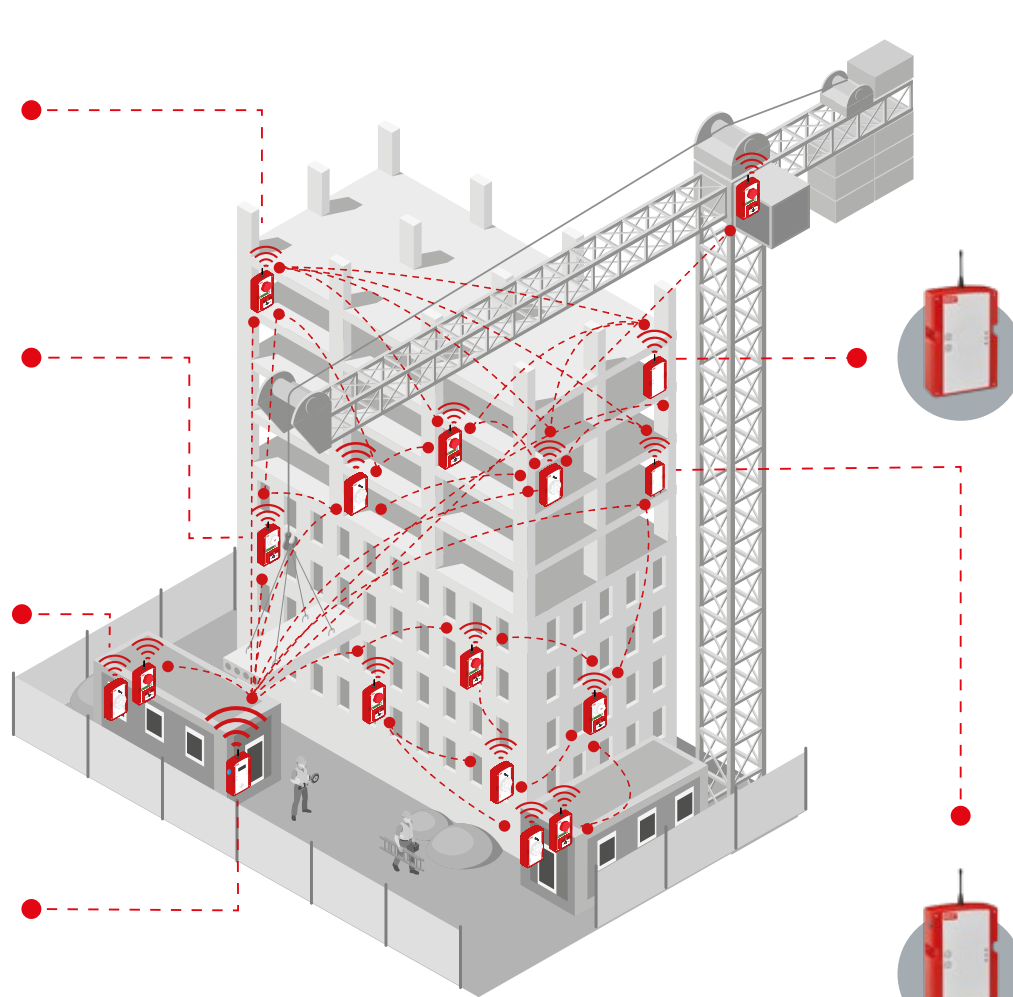
## Heat Detector

Used as part of a site-wide detection system, this 24/7 technology is suitable for areas such as kitchens or similar areas with an increased risk of false alarms.



## CONNECT/Base Station

Primary control units for the WES3 network. CONNECT includes latest functionality and 4G connectivity. Enables full management and real-time diagnostics for any connected units. An accurate log of all system events can be downloaded via USB to allow robust reporting of on-site issues. CONNECT and Base Station units can be used together if required.



## Link Unit

A simple repeater unit that boosts the radio signal capability in particularly large, complex or high density sites.



## Interface

Allows WES to be seamlessly integrated with third party systems, such as independent or permanent wired fire alarms, turnstiles, lifts, gas monitors etc.



**FIRE AND EMERGENCY TEAM**

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**Fire/Fire Procedure**

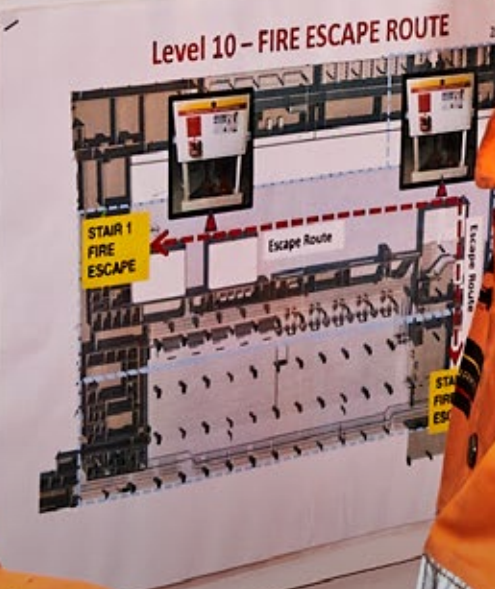
**Raise the alarm**  
By actuating one of the alarm call points situated at each exit

**Call the fire brigade**  
Dial 999 and tell the operator that the fire brigade is required to attend a fire or emergency at:  
Terminal 2 Extension

**Action to be taken on hearing alarm**

- All personnel must leave the area and assemble adjacent to their specified Assembly Point and await further instructions. DO NOT GO BACK UNTIL TOLD FOR ANY REASON.
- All visitors must be escorted from the building to their host before meeting further instructions.
- Do not stop to collect personal belongings, bags or briefcases etc.
- Turn off all electrical equipment and other personal equipment when appropriate.
- Attach the fire with the equipment provided, only if your escape route is blocked and you feel it is safe to do so.
- Obey instructions from the Fire Coordinator and Fire Marshal's.
- Do not re-enter the building until you have been told to do so by the Fire Coordinator or Fire Marshal.

**ASSEMBLY POINT LOCATION**  
Palma Ave Welfare Complex  
Assembly Point Located at either side of the Complex Building  
AP Located at adjacent to Airoura Exit (AREA 7)



Depending on your specific site, we can build a WES3 system to suit your needs



# WES3 compliance

WES3 is designed and engineered to create a fire safety system with medical alert that's compliant with increasingly stringent health and safety practice. The system enables you to be fully compliant with:

## Fire protection association joint code of practice

The Fire Protection Association/Construction Confederation, with the support of the Association of British Insurers, the Chief Fire Officers Association, and the London Fire Brigade, specifies best practice for timber framed buildings, including "components for automatically detecting a fire, initiating an alarm" and "weekly testing of the fire alarm".

## The construction products regulation

The Construction Products Regulation states that:

- Fire safety products must be CE marked
- To obtain a CE mark, a Declaration of Performance must be produced
- To obtain a Declaration of Performance, fire safety products must be tested by an approved external body
- That body must be involved in inspection, testing and factory production control

## Installation standards

The WES3 product range can be installed to many national standards such as DIN14675, BS5839, IS3218 and NEN2535 delivering the ability to provide protection for temporary accommodation units as soon as they're on site at the very start of your project.

## HSE Fire safety guidelines for construction sites (HSG168)

HSG168 expresses the importance of an "inter- connecting system of call points and sounders" for alerting a busy construction site to the need to evacuate.

## European standards covering the use of radio technology in emergency equipment (ETSI 300-220-1)

European guidelines on the use of radio technology in emergency equipment specify the use of the highest- level Category 1 receivers, as used in WES3, in "human life inherent systems".

**Fully standard compliant  
to EN54-25**





**For more information, contact:**

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