WES Hotspot – Stops fire before it starts
WES HOTSPOT - STOPS FIRE BEFORE IT STARTS

WES Hotspot is the latest in ground-breaking fire safety innovation from the fire experts at Ramtech. This intelligent technology detects the risk of fire before it ignites, isolates power to the electrical device at risk and, when linked to an alarm system, it can issue an instant alert to core personnel.

The addition of Hotspot to our market-leading WES product range means that we can help protect your building from the risk of fire from initial construction to final install and ongoing maintenance. By implementing a pre-ignition solution, you can stop fire before it starts limiting the risk of damage to your building.

There are over 25,000 electrical fires in the UK each year, each causing damage to both property and risking lives. The WES Hotspot system has been designed specifically as a pre-ignition solution to stop electrical fires from happening. This simple, effective monitoring of electrical components, connections and equipment enables the prompt detection of abnormal heat transforming an electrical fire risk into a maintenance issue.

WES Hotspot offers you comprehensive protection from sockets to fuse box. It combines sensitive heat detectors and wireless technology to create a fully integrated system that not only stops fire from starting but alerts your maintenance team to ensure the problem is quickly addressed. It can be fitted in new and existing consumer units and distribution boards.

25,000
Electrical fires a year in the UK

17,065
Domestic appliance fires in England (2015/16)

6,965
Fires caused by faulty appliances or leads in England (2016/17)

8,890
Non-fatal casualties of fire in Great Britain (2016/17)

Source: Home Office Fire Statistics
Protect your personnel, property and business with WES Hotspot.

WES Hotspot is more intuitive than existing protective devices such as MCBs and RCDs because it responds to the excessive heat caused by wiring faults and overloads, some of the leading causes of electrical fires. As a result, this unique system offers an innovative way of preventing electrical fires within a range of devices.

Key features of the system:
- Heat monitoring devices suitable for consumer units, distribution boards, sockets and electrical devices
- Instant power disconnection when abnormal heat is detected where supply is via an RCD
- Immediate alert to key personnel via text, building alarm system or app
- Compliant with all wiring regulations
- Independently tested

WES Hotspot Product Range:
- Multi point sensor
- Single point sensor
- Enhanced twin socket

Protect your personnel, property and business with WES Hotspot.
WES HOTSPOT PRODUCT RANGE

BOARD SENSOR

Key features
- Inbuilt heat detection technology
- Sensors respond before any signs of fire
- Monitors temperature at connection points within consumer units and distribution boards
- Early warning and isolation purposes
- Operates RCD, signal fire alarm or BMS

Monitors temperatures at connection points within consumer units and distribution boards. Suitable for both early warning and isolation purposes. Available in various sizes from 2 to 18 points, it can be installed to accommodate a variety of consumer or distribution board layouts.

The sensors respond before any signs of fire and can be configured to operate a Residual Current Device (RCD) or signal fire alarm, security alarm and business maintenance systems.

- Connects to fire alarm and security systems via a suitable interface
- Operates at 80°C ± 5°C
- High reliability in normal temperature range
- Two-metre cable allowing for connection to approved devices
- Compliant to RoHS directive 2011/65/EU
- Components housed in Flame Retardant ABS Plastic
- Glow Wire Flammability Index to IEC 60695-2-12

POINT SENSOR

Key features
- Inbuilt heat detection technology
- Sensors respond before any signs of fire
- Monitors temperature at connection points within consumer units and distribution boards
- Early warning and isolation purposes
- Operates RCD, signal fire alarm or BMS

The single-point sensor is available in PTC and non-PTC versions.

Non-PTC sensor: designed to allow single-point detection within electrical distribution boards and to monitor electricity supplier equipment, for example, cut out fuse and meter tails.

PTC sensor: designed to allow single-point detection within electrical appliances, for example, vending machines and photocopiers.

The sensors respond before any signs of fire and can be configured to operate a Residual Current Device (RCD) or signal fire alarm, security alarm and business maintenance systems.

- Available as PTC and non-PTC
- Connects to fire alarm and security systems via a suitable interface
- Operates at 80°C ± 5°C
- High reliability in normal temperature range
- Two-metre cable allowing for connection to approved devices
- Compliant to RoHS directive 2011/65/EU
Supplied with inbuilt thermal protection and power isolation capability, these are suitable for installation on RCD or RCBO circuits. If excessive heating occurs - because of a fault or an overload - the socket will automatically disconnect the electrical supply to prevent the risk of fire.

The integral thermal indicator on socket front plate permanently changes colour to provide easy identification of any affected socket.

- Complies with BS 5733
- Operates at 80°C ± 5°C
- High reliability in normal temperature range
- Used in conjunction with Residual Current Devices
- Must be used in conjunction with RCD or RCBO and once operated the circuit cannot be re-energized until the fault has been rectified
INTEGRATED FIRE PREVENTION

WES Hotspot connects to our WES range creating an integrated, seamless alert system. There are three ways to link WES Hotspot:

1. WES interface direct link into the fire alarm system
2. Link via WES REACT
3. Wireless integration to a third party alarm system or BMS

Connecting WES Hotspot to WES REACT means that should Hotspot detect a pre-ignition risk; your team will be immediately alerted to the fault via text and the app. This integrated technology transforms a potential electrical fire emergency into a maintenance issue.

WES REACT is our next generation of wireless fire alarm system with medical alert, inspection delay, system test and pre-alarm modes.

It has been developed specifically to provide teams with a simple and secure means of communicating fire, medical and other site emergencies to affected personnel, both on and off site.

Our expert team can work with you to identify the best solution for your building.

Benefits of REACT

The WES Base Station connects wirelessly to the REACT cloud, allowing online setup and customisation of users, workgroups, documents, locations and alerts.

- **Highly customisable system** – equally suitable to small or large projects
- **Traceable event log stored online** for auditing or incident investigation
- **Multi-site feature**: Management teams can view up to 20 different project sites
- **Wireless integration** with other site security systems (e.g. access control, CCTV)
ABOUT RAMTECH

Ramtech is the UK market leader in the provision of innovative wireless technology. The ground-breaking products in our WES and WiSE range are built on 25 years’ experience in designing and manufacturing radio-based safety and security solutions to meet challenging environmental conditions in the leisure and construction industries.

FIRE SAFETY EXPERTISE
As the developer of the first EN54 compliant wireless fire alarm system, WES Hotspot is the natural progression from our pioneering fire prevention and safety equipment. Independently tested, this pre-ignition technology will enable our systems to protect even more personnel and businesses from the risk of fire.

ENGINEERING INVESTMENT
Engineering is at the heart of Ramtech. It’s our business to innovate, so we invest in the best possible staff, resources and test procedures to make sure that our research and development programme continues to deliver the superlative, market-leading wireless safety and security solutions on which we pride ourselves.

SUPERIOR SUPPORT
We’ll make sure you have full support with your WES Hotspot system. Our experts will work with you to make sure you fully understand the system – we’ll even run internal training workshops for your site staff if you need us to. And, of course, if you need a helping hand you can give us a call and speak to one of our experts.

UK DESIGN
WES Hotspot is designed and developed in the UK and because we’re serious about supporting UK industry it’s distributed from the UK too.

ISO9001 CERTIFIED
We take quality seriously – as demonstrated by our status as ISO9001 Certified. At every step of the way, throughout every department and at every level of the business, we deliver efficiently, consistently and effectively to a high set of service, process, production and management standards.
STOPS FIRE BEFORE IT STARTS

Powered by Thermarestor, Patent Pending