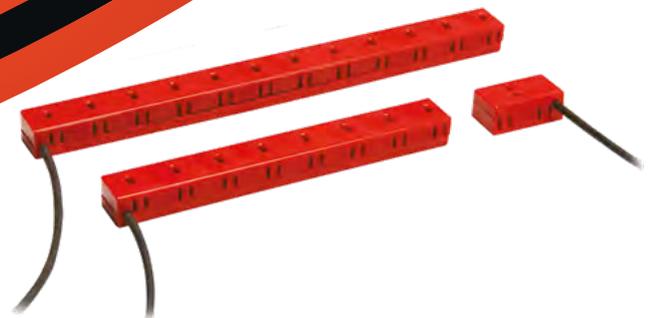


E-DETECT

ELECTRICAL HEAT DETECTION



**STOP ELECTRICAL FIRES
BEFORE THEY START**





STOP ELECTRICAL FIRES BEFORE THEY START



E-DETECT is the latest groundbreaking fire safety solution from Helios. E-DETECT monitors electrical connections throughout a building, and in the event of an electrical fault - and potential fire risk - will deliver an instant alert to relevant personnel.

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)

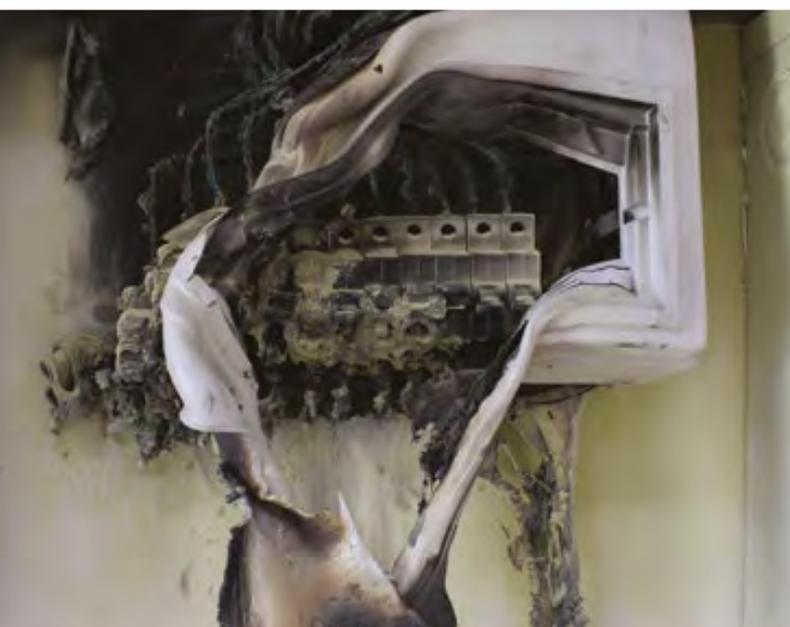
8,890

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

The addition of E-DETECT to our market-leading Helios range means that we can help protect your building from the risk of fire through its entire lifecycle, from initial construction through to final install and on-going occupation. By implementing a pre-ignition solution, you can stop electrical fires before they start, reducing the risk of damage to your property and the safety of its occupants.

There are over 25,000 electrical fires in the UK each year, each causing damage to property and risking lives. E-DETECT 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 a serious electrical fire risk into a simple maintenance issue. E-DETECT offers you comprehensive protection throughout the electrical system, from individual appliances through to distribution boards and similar electrical connections. The system combines sensitive heat detection with wireless communications 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.



PROTECT YOUR PERSONNEL, PROPERTY AND BUSINESS WITH E-DETECT

E-DETECT 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 in a range of devices.

E-DETECT PRODUCT RANGE:

- Multi point sensor
- Single point sensor (PTC)
- Single point sensor (Non-PTC)

KEY FEATURES OF THE SYSTEM:

- 24/7 heat monitoring ideal for consumer units, distribution boards, appliances and more
- Can be easily fitted in new and existing consumer units and distribution boards
- Immediate alert to key personnel via phone, mobile device, fire alarm system or BMS
- Patented technology independently tested and compliant with all wiring regulations
- Option to disconnect power to isolate fault, where supply is via an RCD

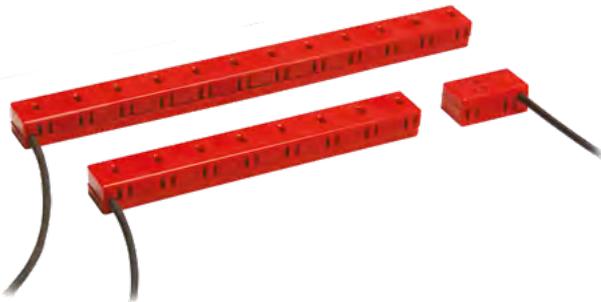
E-DETECT PRODUCT RANGE

MULTI POINT SENSORS

E-DETECT multi point sensors monitor temperatures at connection points within electrical consumer units and distribution boards. Suitable for both early warning of fire risk, as well as option to isolate fault via an RCD.

Available in various sizes from 2 to 18 points, the system can be installed to accommodate a variety of consumer or distribution board layouts.

- Quick, simple and cost effective to install
- Ideal for use in both new and retrofit applications
- Connects to comms device via suitable interface
- High reliability - activates at $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$
- 2m cable allowing for wiring 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



KEY FEATURES

- In-built heat detection technology
- Sensors respond before any risk of fire
- Monitors temperature at connection points within consumer units and distribution boards
- Early warning and optional isolation purposes
- Instant alert via Helios REACT, fire panel or BMS
- Option to automatically isolate power via an RCD

E-DETECT powered by



Patented technology



E-DETECT PRODUCT RANGE



SINGLE POINT SENSORS

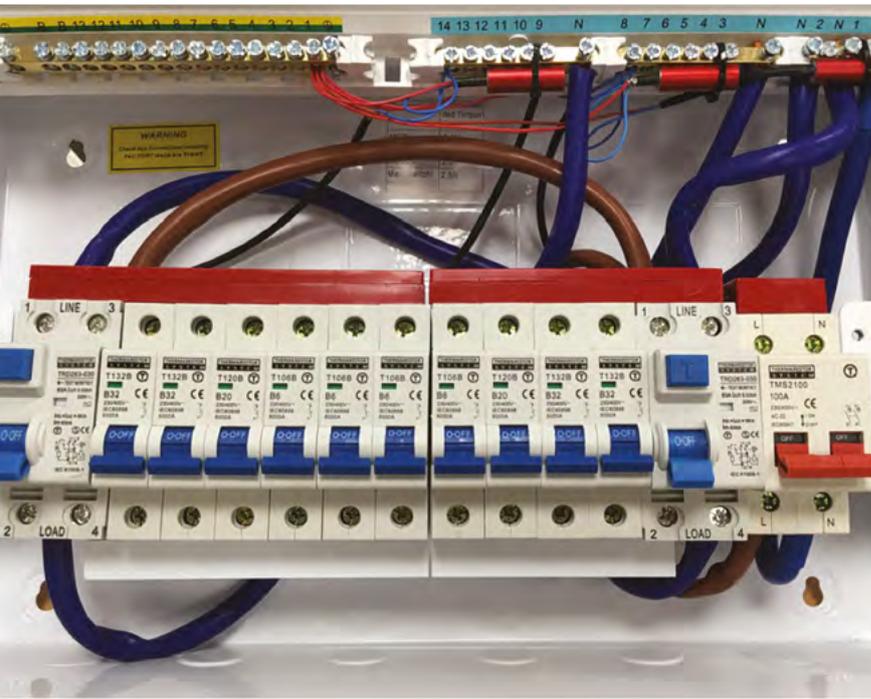
The single point sensor is available in PTC and non-PTC versions.

Non-PTC sensor: designed to allow single point detection within electrical distribution boards and to monitor electricity supplier equipment.

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

The sensors activate before any signs of fire and are suitable for both early warning of fire risk, as well as option to isolate fault via RCD.

- Available as PTC and non-PTC
- Ideal for use in both new and retrofit applications
- Connects to comms device via suitable interface
- High reliability - activates at $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$
- 2m cable allowing for wiring 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



KEY FEATURES

- Sensors respond before any signs of fire
- Ability to monitor electricity supplier equipment
- Operates within electrical appliances such as vending machines and photocopiers
- Early warning and optional isolation purposes
- Instant alert via Helios REACT, fire panel or BMS
- Option to automatically isolate power via an RCD



HELIOS

FIRE SYSTEMS



HELIOS SYSTEMS PROVIDE EARLY WARNING, INNOVATIVE TECHNOLOGIES FOR FIRE SAFETY.

We offer advanced, state-of-the-art solutions to protect your business and the local environment around it. Helios are the exclusive UK distributor for Europe's leading fire detection and suppression products - E-DETECT, PYROsmart®, A.T.F.S™, Coldfire, Fire-mist™, AMFE and E-Bulb.

Full project management by our in-house team of engineers is provided for ease, speed and complete peace of mind.

DESIGN

Complete bespoke design of fire systems to suit your business requirements.

SPECIFICATION

Systems are tailored to each individual client requirements, using the most innovative systems throughout Europe.

INSTALLATION

Our in-house team of engineers with over 20 years of fire-prevention experience install and manage the project from start to finish.

SERVICING

Our after sales service includes maintenance contracts for serviceability and continuity over the lifespan of the system.

SPARE PARTS

Our warehouse stocks all spare parts required for servicing installed systems.

COMMISSIONING

As part of system integrity, all projects are given 4 weeks commissioning and testing. This can be re-visited/re-tested throughout product lifespan.

E-DETECT

ELECTRICAL HEAT DETECTION

E-DETECT FROM HELIOS

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FIRE SYSTEMS