

# THERMARESTOR®

innovation transforming fire safety





## Did you know?

There are over 25,000 electrical fires in the UK each year, many of which are caused by wiring faults and overloads.

At present, existing protective devices such as MCBs and RCDs cannot prevent fires from starting because they do not respond to the excessive heat associated with such faults.

Amendment 3 to BS 7671:2008 IET Wiring Regulations tries to address this problem by specifying that consumer units within domestic premises must have their enclosures manufactured from a non-combustible material as from January 2016, the aim being to contain the effects of any fire. However, this does nothing to prevent a fire starting in the first place.

There is an alternative, a solution that both prevents these fires yet still complies with the wiring regulations which allow for the use of new innovations complying with Regulation 133.5 – resulting in a far safer more cost-effective answer to the problem.

## The solution

The Thermarestor® range offers a unique and innovative way of preventing electrical fires within consumer units, distribution boards and electrical appliances.

It does this by monitoring heat generated at electrical connection points. If abnormal temperatures are detected, Thermarestor® can be used to provide a very early warning via an alarm system and allows automatic isolation of circuits where supply is via an RCD, removing the source of ignition and preventing a fire.



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With the supply to the consumer unit isolated and front cover removed, installation is simple and straightforward. The **T11XX** carriage is held in place using the high-temperature cable ties supplied to secure it to the existing wiring.



This ensures that the carriage is held in close contact with connection points on each MCB, optimising heat transfer.



A **T1150** detector is cable tied to each neutral bar. Once all devices have been installed correctly they are wired according to the function required: early warning via an alarm, isolation of circuits, or both.

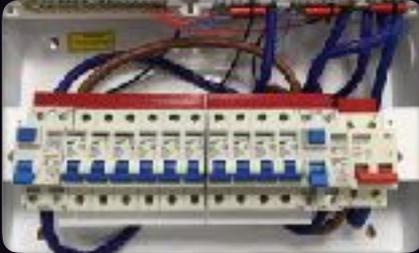
See the "Options Guide" at [www.thermarestor.co.uk](http://www.thermarestor.co.uk) for examples of wiring configurations.



Once installation is complete, system checks are carried out and certification completed. See our website for full installation and certification details.

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## T1663MC

Our consumer units come complete with our Thermarestor® System – a unique and innovative way of monitoring heat generated at electrical connection points. This can either be connected to a suitable alarm system to provide very early warning of abnormal temperatures or can automatically operate the RCCB to isolate the power supply.



## T11XX

As a multipoint heat detector, the **T11XX** range monitors temperatures at points of connection within consumer units and distribution boards. Can be used for both early warning and isolation purposes.



## T1150

The T1150 is a single point device designed to detect excessive heat within consumer units and distribution boards.

The T115X can be used to monitor higher abnormal temperature from **80°C to 240°C**.



## T2102

The T2102 is an enhanced twin socket outlet with in-built thermal protection for installation on RCD or RCBO supplied circuits. When excessive heat is detected within the socket, the protective device operates, isolates the supply and prevents a potential fire.

