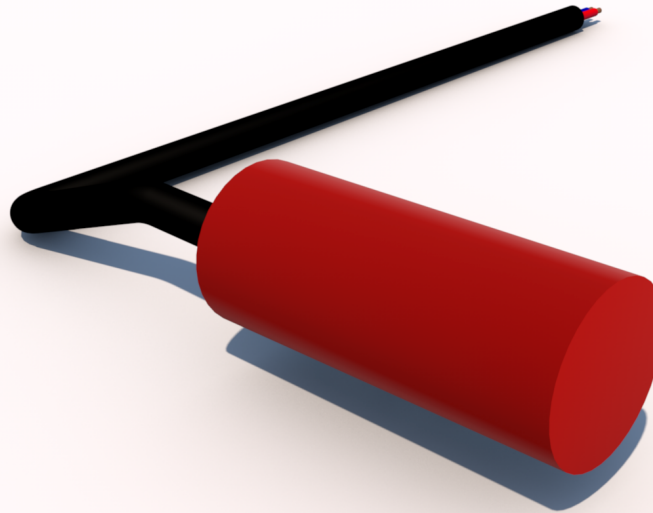


A fire starting in the electrical supplier equipment, consumer unit and distribution board due to high resistance connection (**HRC**) or overload conditions often leads to severe damage to the premises and endangers life owing to the common locations of installation. Normally, within domestic installations consumer units are positioned under stairs and in hallways. In commercial premises distribution equipment can be located throughout the workplace, extending the risk area.



DESCRIPTION

Thermarestor® single point sensor offers a significant step forward in the protection of electrical distribution equipment. The faults that can occur within consumer units and distribution boards which lead to excessive heat and/or fire can be eliminated by the installation of the Thermarestor® system.

By responding to temperatures of $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$ and before any signs of fire, the resulting activation of the safety device within Thermarestor® T1150 can be configured to operate a Residual Current Device (RCD) or signal other types of Thermarestor® Approved Devices (TAD), fire alarm, security alarm and business maintenance systems.

The Thermarestor® is simple to fit and can be subjected to all routine installation tests including insulation tests. T1150 is designed to allow single-point detection within electrical distribution boards and to monitor electricity supplier equipment, for example, cut out fuse and meter tails.

FEATURES

- Provides thermal protection for consumer units and distribution boards when installed as part of a Thermarestor® system.
- Quick and easy installation.
- Connects to fire alarm and security systems via a suitable interface.
- Operates at $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$.
- High reliability in normal temperature range.
- Two-metre cable allowing for connection to Thermarestor® Approved Devices (TAD).
- Compliant to RoHS directive 2011/65/EU.

Warning: T1150 devices must only be connected between neutral and earth for isolation purposes on circuits supplied by Dual Pole RCD's having $I_{\Delta n} \leq 100\text{mA}$ or points having a potential difference not greater than 30VDC for monitoring purposes.

ACTIVE COMPONENT

Resistance value at open circuit 0°C to (TA – 15°C)	>10 GΩ @ 500 Vdc
Resistance value at closed circuit 0°C to (TA + 25°C)	< 10 Ω @ 10 mA
Activation temperature (TA)	80°C ± 5°C
Max. continuous open circuit voltage (DC to 500 Hz)	30V
Ambient temperature range (open)	0°C to 50°C

CABLE

Length	2m
Voltage	440V _{RMS}
Conductors	2
Dielectric	LSF PVC
Diameter	3.6mm ± 0.1mm

T1150 BODY

Material	Aluminium
IP Rating	IP4X

Thermarestor® system components should only be installed by electricians who have been third-party accredited, i.e. ECA, ELECSA, NICEIC and NAPIT.

Information: V4/2018

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