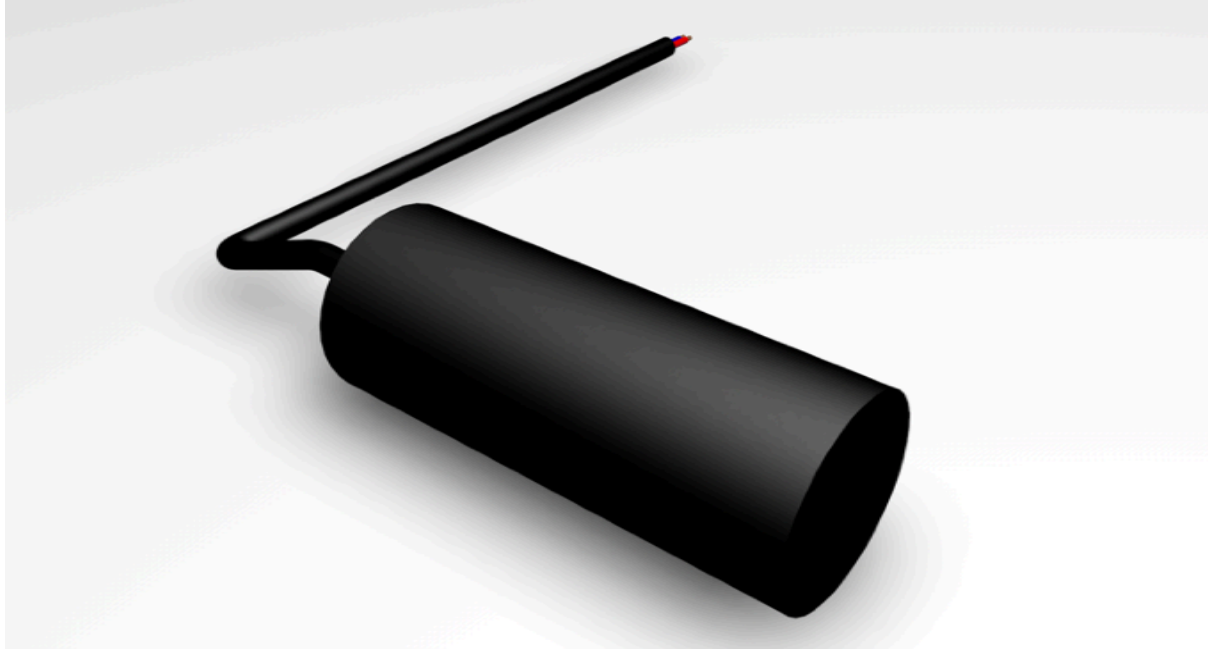


A fire starting in the electrical supplier equipment, distribution board or electrical appliances due to high resistance connection (HRC) or overload conditions often leads to severe damage to the premises and endangers life. In commercial premises, distribution equipment and appliances can be located throughout the workplace, extending the risk area.



DESCRIPTION

Thermarestor® single point sensor offers a significant step forward in the protection of electrical appliances. The faults that can occur within appliances 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® T1155 can 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. T1155 is designed to allow single-point detection within electrical appliances, for example, vending machines and photocopiers.

FEATURES

- Provides thermal protection for electrical appliances when installed as part of a Thermarestor® system, e.g vending machines, photocopiers.
- Operates at $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$.
- Fast closing at activation temperature.
- High reliability in normal temp range
- Two-metre cable allowing for connection to Thermarestor Approved Devices (TAD).
- Used in conjunction with Residual Current Devices to remove a potential source of ignition.

Warning: Only to be installed on circuits protected by Residual Current Devices having having $I_{\Delta n} \leq 100\text{mA}$ and connected between phase (230V) and earth

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)	< 2 kΩ @ 1 mA
Activation temperature (TA)	80°C ± 5°C
Max. continuous open circuit voltage (DC to 500 Hz)	277V
Ambient temperature range (open)	0°C to 50°C

CABLE

Length	3m
Voltage	440V _{RMS}
Conductors	2
Dielectric	LSF PVC
Diameter	3.6mm ± 0.1mm

T1155 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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