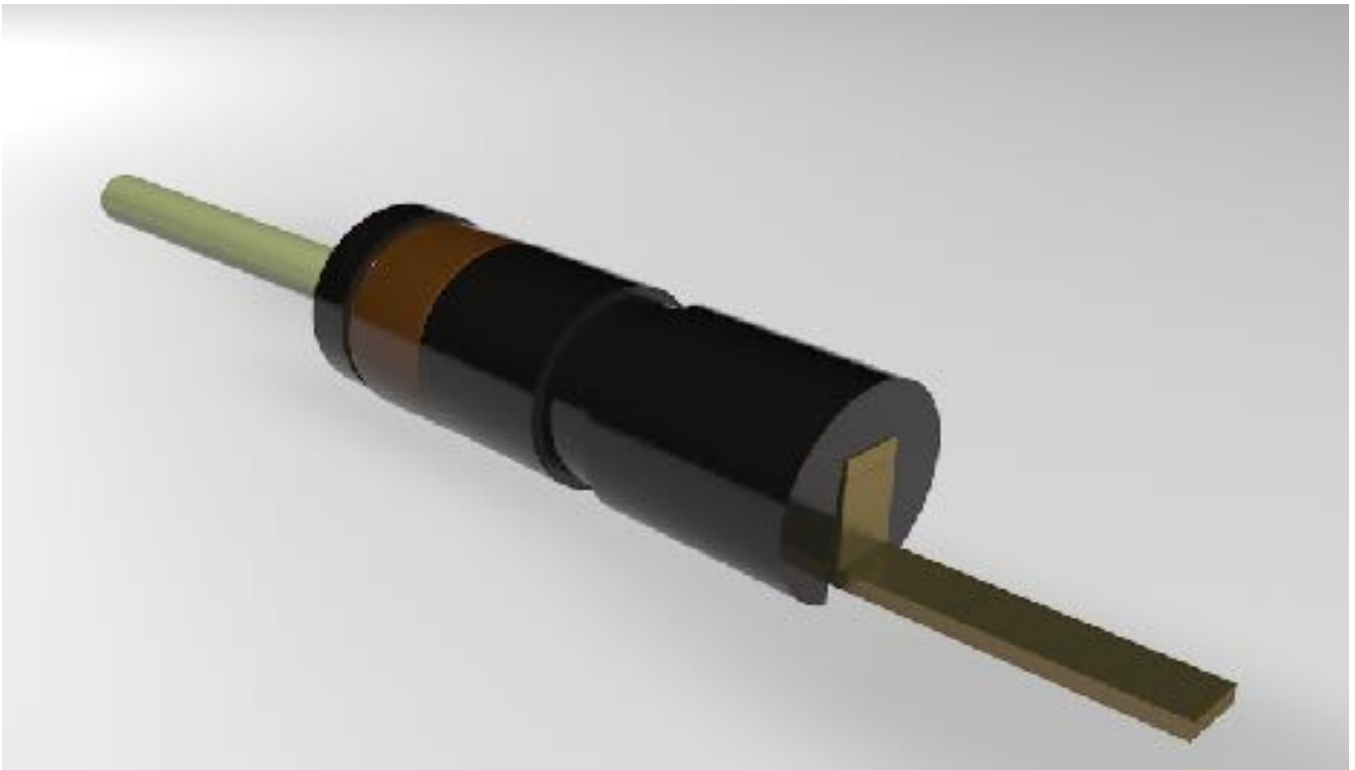


A fire starting in the electrical supplier equipment, distribution board or electrical appliances due to High Resistance Connection (**HRC**) or overload conditions, often leads to severe damage to the premises and endangers life. In commercial premises distribution equipment and appliances can be located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



DESCRIPTION

Thermarestor T1160 offers a significant step forward in the protection of circuits connected to RCD's. 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 Thermarestor System.

Each T1160 contains a Thermarestor component which is strategically located to sense abnormal rise of temperature. When the temperature of the integral component exceeds 80°C the device activates causing the RCD to operate, removing the source of heat.

The Thermarestor is simple to fit and can be subjected to all routine installation tests including insulation tests. T1160 is designed to allow single point detection within fixed electrical installations and can also be used to monitor 230V phase connections within appliances and equipment where such are supplied via RCD's.

FEATURES

- Provides thermal protection primarily for, but not restricted to, RCBO's in electrical installations when installed as part of a Thermarestor System
- Plastic housing manufactured from flame retardant grade Polycarbonate, especially suitable for electrical applications.
- Installed between **Phase (Live)** and **Earth** on 230V single phase
- 1m Cable for connection to Earth
- Operates at 80°C ± 5°C
- Fast closing at activation Temperature
- High reliability in normal temp range.

Warning: T1160 devices must only be connected between phase (live) and earth for isolation purposes on circuits supplied by RCBO's/RCD's having $I_{\Delta n} \leq 100\text{mA}$.

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	1m
Voltage	BS6231 600 - 1000V
Conductors	1
Dielectric	High Temp Flame Retardant
Diameter	2.55mm ± 0.1mm

Thermarestor System components can only be Installed by electricians who have been 3rd party accredited, i.e. ECA, ELECSA, NICEIC and NAPIT.

Information: V3/2017

European Patent No. 2867911

Tel: 01242 509003

Email: info@thermarestor.co.uk



Thermarestor®

Apson House

21 Bamfurlong Industrial Park

Staverton, Cheltenham

Gloucestershire

GL51 6SX

