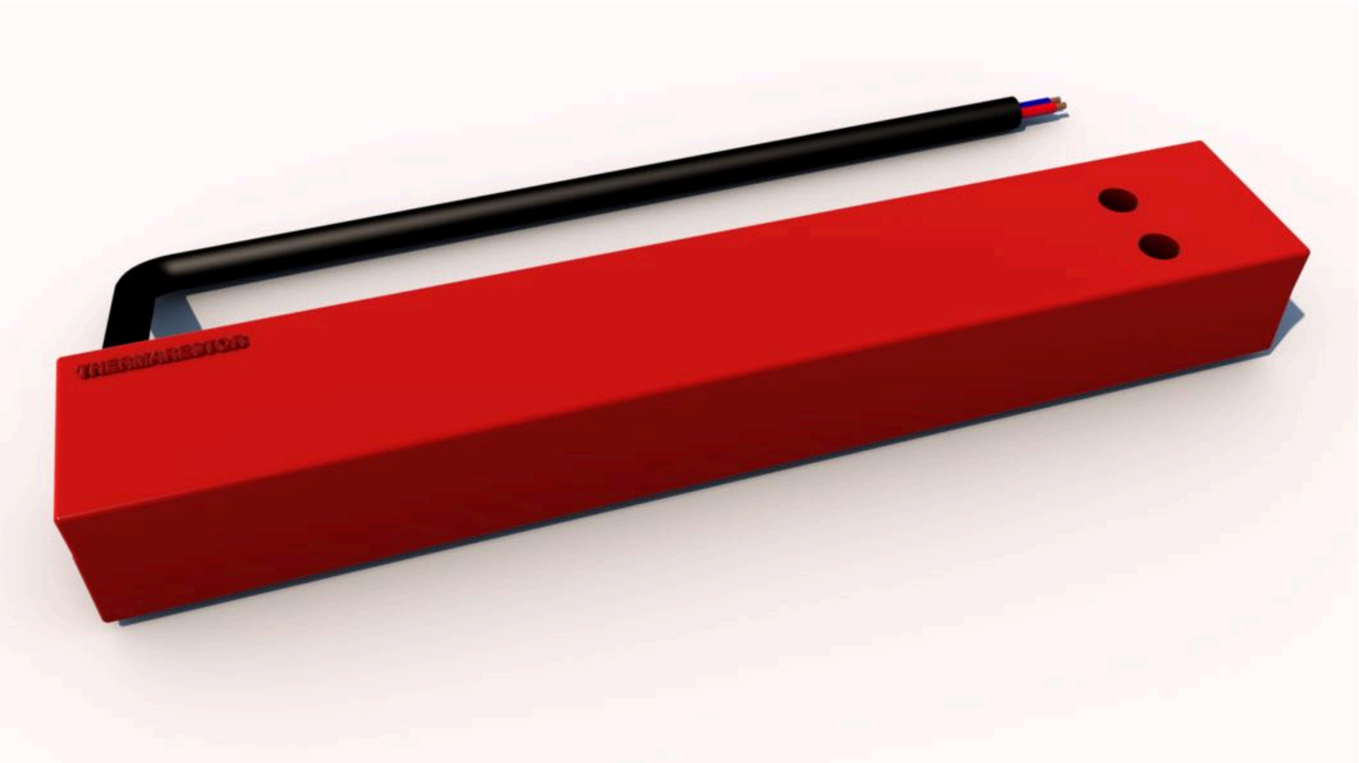
THERMARESTOR®
innovation transforming fire safety

T11XX

A fire starting in a consumer unit or distribution board due to high resistance connection (HRC) 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® T11XX 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°C ± 5°C and before any signs of fire, the resulting activation of the safety devices within Thermarestor® T11XX 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.

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

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°C ± 5°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
- Components housed in Flame Retardant ABS Plastic
- Glow Wire Flammability Index to IEC 60695-2-12.

Warning: T11XX devices must only be connected between neutral and earth for isolation purposes or points having a potential difference not greater than 30VDC for monitoring purposes.

T11XX PART CODES

T1102	2-Point Detection	31x17x19(mm)
T1104	4-Point Detection	67x17x19(mm)
T1106	6-Point Detection	103x17x19(mm)
T1108	8-Point Detection	139x17x19(mm)
T1110	10-Point Detection	175x17x19 (mm)
T1112	12-Point Detection	211x17x19 (mm)
T1114	14-Point Detection	247x17x19 (mm)
T1116	16-Point Detection	283x17x19 (mm)
T1118	18-Point Detection	319x17x19 (mm)

ACTIVE COMPONENT

Resistance value at open circuit 0°C to (TA – 15°C)	>10 GΩ @ 500 V_{dc}
Resistance value at closed circuit 0°C to (TA + 25°C)	< 1 Ω @ 10 mA
Activation temperature (TA)	80°C ± 5°C
Max. continuous open circuit voltage (DC to 500 Hz)	30V
Normal ambient temperature range (open)	0°C to 50°C

CARRIAGE BODY

UL94 rating	V-0
Glow wire temperature	960°C
Melting range	>200°C
Component spacing	18mm
IP Rating	IP2X

CABLE

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

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

Information: V2/2016

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