

# WES HOTSPOT DATA SHEET

## Single Point Sensor (PTC) - T1155



The WES Hotspot Single Point Sensor (PTC) can be used within electrical distribution boards, commercial appliances and metering equipment throughout an electrical system, to detect overheating at critical connections within the system. Resistive heating - overheating caused by high-resistance connections or overloaded components within the electrical system - poses a significant fire risk. When used within a suitable communications system such as WES REACT, Hotspot can notify the appropriate personnel, so that maintenance and rectification can be undertaken.

### Key features

- In-built heat detection technology
- Sensors respond before any risk of fire
- Monitors temperature at connection points within electrical appliances and metering equipment
- Ideal for use in vending machines, photocopiers, air conditioning units and similar appliances
- Early warning and optional isolation purposes
- Instant alert via WES REACT, fire panel or BMS
- Option to automatically isolate power via RCD

### DESCRIPTION

The WES Hotspot Single Point Sensor (PTC) 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 WES Hotspot system.

By responding to temperatures of  $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$  and before any signs of fire, the activation of the WES Hotspot T1155 unit can send an immediate notification to relevant personnel via the buildings alarm system, or a mobile device using the WES REACT system. The system has the option to automatically isolate power via a Residual Current Device (RCD).

WES Hotspot is simple to fit and can be subjected to all routine installation tests including insulation tests. T1155 is designed to allow singlepoint detection within electrical appliances, for example, vending machines and photocopiers.

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### ACTIVE COMPONENT

Resistance value at open circuit 0°C to (TA – 15°C)	>10 GΩ @ 500Vdc
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)	277V
Normal ambient temperature range (open)	0°C to 50°C

### CABLE

Length	2mm
Voltage	440V <sub>RMS</sub>
Conductors	2
Dielectric	LSF PVC
Diameter	3.6mm ± 0.1mm

### T1150 BODY

Material	Aluminium
IP Rating	IP4X

#### Warning:

T1155 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.

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

WES Hotspot powered by



Patented technology