

## Product Data Sheet: HOT PLUG INDICATOR (HPI)



Normal Colour



Fault Colour

**Product Description:** An 18mm diameter adhesive backed temperature sensitive label that will record, by permanent colour change, if the label reaches its setpoint temperature.

**Temperature Setpoint:** The Hot Plug Indicator temperature setpoint is 52°C.

### Physical Properties:

Adhesive Type	Acrylic
Carrier	Polyester
Covering Film	Polyester
Response Time	2 to 5 seconds
Colour Change Material	Non-toxic, white crystalline solid on a red absorbent backing, adhered with acrylic adhesive
Activation Temperature	52°C
Tolerance	-/+ 1°C
Storage	Store at room temperature & humidity (i.e. 16 to 27°C / 60 to 80°F & 40 to 60% RH)
Service Life	3 years (if installed as per datasheet guidance)

**CAUTION;** these labels are designed for use only on the external plastic surfaces of electrical plugs, adaptors, extension sockets, household sockets and general electrical equipment.

**INSTALLATION;** Peel the hot plug indicating label from the backing paper. Apply to a dust & grease free surface. Apply onto plastic external surfaces of electrical plugs, adaptors, extension sockets or household sockets. Ensure that the labels are applied to a surface that will be visible when in use. Endeavour to not touch, scratch or damage the surface of the label. The Indicator spot will change colour from pink to red if the surface temperature reaches the 52°C setpoint. If a label turns Red (alert temperature) switch off appliance and seek advice from a competent electrician.

### LIMITATIONS;

- These labels are not suitable for unprotected use outdoors or in direct sunlight. They are vulnerable to degradation and non-performance from prolonged exposure to ultra-violet (UV) light or high Relative Humidity.
- These labels will not prevent electrical faults or fires but will aid in monitoring abnormal temperatures and will give visual indication of potential electrical faults and fire risks.
- These labels do not replace the need to formally install, test, inspect and maintain electrical installations as per the Electricity at Work Act, the Electrical Installation Wiring Regulations and Manufacturer's Instructions.
- This information is provided solely for consideration, investigation and verification by the user. HPis are made to the highest standard however they are not suitable for all environmental applications. The customer must ensure that they are suitable for use in their application.