

ELEMENTS – WP60

Waterproof Bi-metal Fixed Temperature Heat Detector



Features

- 60°C fixed-temperature bi-metal sensing
- Listed by Intertek to BS EN 54-5 Class A2S
- IP67 rated (SETSCO certified)
- LED alarm indicator
- Designed for high humidity environment
- Easy grip, plug-in-and-twist locking design
- Remote indicator terminal provided at base
- Secure screw-clamp cable termination base
- High resistance to false alarms
- Low profile unobtrusive design

ELEMENTS WP60 is a two-wire, waterproof, bi-metal fixed-temperature heat detector specifically designed for tropical climates. It incorporates a hermetically sealed sensing element together with an electronic comparator circuit to ensure long-term sensing stability and consistent operating characteristics throughout its service life.

Designed with emphasis on installer convenience, user friendliness and dependable performance, the WP60 delivers high reliability in harsh and exposed environments. Its combination of a fixed-temperature bi-metal sensing element and a waterproof construction, makes it particularly well suited for applications where conventional electronic heat detectors may be more susceptible to environmental conditions such as moisture and condensation.

The detector is equipped with a super-bright LED alarm indicator for easy identification of an activated device. It also provides dedicated remote indicator terminals on the mounting base, allowing a remote alarm indicator to be connected when the detector is installed in concealed or inaccessible locations.

Distinctive Design Features:



Six drainage channels drain water away from the sensor assembly, allowing leaking installations to be identified from ground level.



Textured ring around the detector head provides a secure grip, facilitating easy plug-in-and-twist installation and removal.



Well spaced-out cable terminals with embossed terminal markings and screw retention mounting slots. Integrated remote indicator output

Technical Specifications

Model Number: WP60

Operating Humidity: 0 – 100% RH

Weight: 108g

Operating Voltage: 10–33VDC

Alarm Current: <70mA

Standard complied with: BS EN54-5 - A2S

Storage Temperature: -22 to 40° C

Dimensions: Ø100mm x 51mm

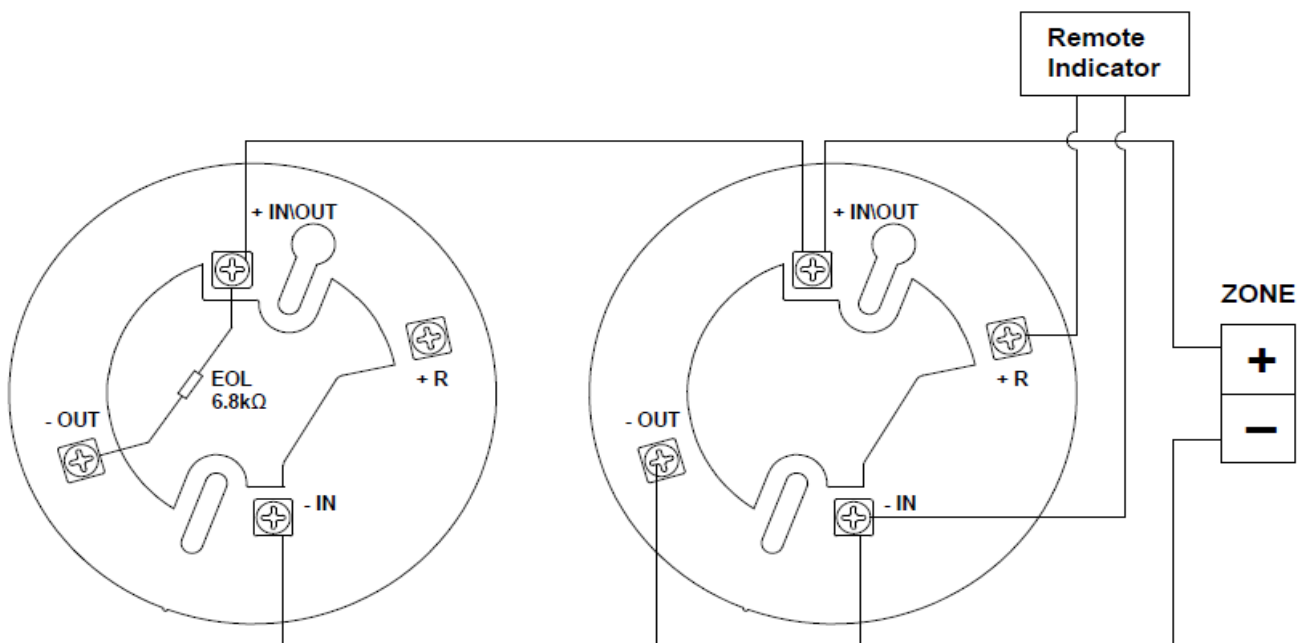
Ingress Protection Rating: IP67, SETSCO Certified

Quiescent Current: <45uA

Alarm Response: 60°C Static

Operating Temperature: -22 to 80° C

Termination Details



Maintenance

The heat detector shall be inspected, tested and maintained in accordance with the requirements of the Authority Having Jurisdiction (AHJ). Where no specific requirements apply, it is recommended under SS 645: 2019 that at least 20% of detectors be functionally tested each year. All heat detectors should be replaced after 10 years of service.

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WP60-V8-03.08.2026

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