



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1779	7-Sep-2005	Number 12	Issue date 1-May-2018	30-Apr-2019

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Product designation

System Sensor, Model 885WP-B, Type B heat detector

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Pertronic Industries Pty Limited
Unit B2, Hallmarc Business Park, 2A Westall Road, SPRINGVALE, VIC, AUSTRALIA, 3171

Registrant

Pertronic Industries Pty Limited
Unit B2, Hallmarc Business Park, 2A Westall Road, SPRINGVALE, VIC, AUSTRALIA, 3171

Producer

Xi'an System Sensor Electronics, Ltd
28 Tuan Jie South Road, Xi'an Hi-tech Development Zone, XI'AN, SHAANXI, CHINA, 710075

Conformance criteria and evaluation

The System Sensor, Model 885WP-B, Type B heat detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1997, 'Automatic fire detection and alarm systems - Heat detectors' incl. Amdt 1 (August 1998).

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The System Sensor, Model 885WP-B, Type B heat detector is conventional fixed temperature unit. The unit is defined by the manufacturer as "weatherproof", with an IP67 rating, and intended for use in open areas. The heat sensing element has a nominal sensitivity setpoint of 63° C. It is rated for operation over the temperature range from 0° C to +38° C.

Electrical connection to the detector is achieved through six wires (flying leads) in the back of the device. The six wires form 3 pairs of connections facilitating monitoring of the leads by appropriate Control and Indicating Equipment.

The System Sensor, Model 885WP-B, Type B heat detector includes a mounting base providing four slots for screw mounting. The base includes an anti-tamper facility activated by the removal of a small tab. Once activated, the detector cannot be removed from the base without the use of the "tamper key".

The installed unit is approximately 103 mm in diameter with a height of approximately 38 mm (not including flying leads). When connected to the mounting base, it has a total height of 47 mm.

Technical specification

The following details are a representative extract of the technical specification for the System Sensor, Model 885WP-B, Type B heat detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Diameter:	10.2 cm (4")
Height (including base):	4.8 cm (1.8")
Weight (including base):	170g (6.0 ounce)
Operating temperature range:	0° to 38° C (32° F to 100° F)
IP rating:	IP 67
Sensitivity:	63° C (145.4° F) Fixed
Operating voltage:	8.5 - 30Vdc
Standby current:	≤50µA
Alarm current:	Min. 2 mA 3.1 V Max. 80 mA 6.5V
Latching alarm:	Reset by momentary power interruption
Max. air velocity:	20 m/s