



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1634	24-Oct-2003	Number 20	Issue date 20-Apr-2023	30-Apr-2024

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Product designation

Notifier, Model FSP-851AUS, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector

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

Agent/distributor

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Registrant

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Producer

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Conformance criteria and evaluation

The Notifier, Model FSP-851AUS, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.2-1997, 'Automatic fire detection and alarm systems - Point type smoke 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. The fire detector meets the requirements of the reference criteria, when the Notifier, Model AFP2800, control and indicating equipment is set to one of the sensitivity settings of Level 1 to Level 8.
- ii. 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

Kai Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Notifier, Model FSP-851AUS, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector is a plug-in type smoke detector that combines a photoelectric sensing chamber with addressable analogue communications. The detector transmits an analogue representation of smoke density over a communication line to the control and indicating equipment. The sensitivity of the detector is set at the Notifier, Model AFP2800 control and indicating equipment by selecting one of the sensitivity level settings from 1 to 8. Two rotary decade switches are provided for setting the detector's address.

Two LEDs on the detector are controlled by the control and indicating equipment to indicate the detector status. The operational modes are RED blink, RED continuous, GREEN blink, and off.

The Notifier, Model FSP-851AUS, smoke detector requires compatible communications to function properly.

Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model FSP-851AUS, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Sensitivity:	0.5% obs./m - AFP2800 Sensitivity Setting Level 1 8% obs./m - AFP2800 Sensitivity Setting Level 8
Operating voltage range:	15 Vdc to 32 Vdc
Standby current:	300 µA @ 24 Vdc (one communication blink every 5 seconds with LED blink enabled)
Maximum alarm current (LED on):	6.5 mA @ 24 Vdc
Operating temperature range:	0°C to 49°C
Operating humidity range:	10% to 93% RH (noncondensing)
Height:	51 mm
Diameter:	104 mm

Tested base designation	Base + detector circuit type
System Sensor, Model B501	Analogue Addressable
Notifier, Model ABS32/W integrated detector base sounder with LPBW (mounting/wiring base)	Analogue Addressable
Notifier, Model ABS32/W-I integrated detector base sounder (with isolator) with LPBW (mounting/wiring base)	Analogue Addressable