



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1615	19-Sep-2003	Number 17	Issue date 1-May-2020	30-Apr-2021

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Product designation

Notifier, Model FSI-851AUS, nom. sens. (S)=0.4 MIC X, ionisation 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 FSI-851AUS, nom. sens. (S)=0.4 MIC X, ionisation 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. Use with the Notifier, Model AFP2800, CIE when the CIE detector sensitivity setting is set at 3.
- 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

David Whittaker
Executive Officer – ActivFire Scheme



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Producer's description

The Notifier, Model FSI-851AUS, nom. sens. (S)=0.4 MIC X, ionisation smoke detector is a re-settable, analogue addressable smoke detector. The detector incorporates a unique single-source, dual-chamber design to respond quickly to a broad range of fires. The detector is designed to provide open area protection and is intended for use with compatible control and indicating equipment (CIE).

Two indicating LEDs on each detector light to provide a local, visible detector indication. The detector may be tested in-situ by using a test magnet to activate the test feature or an aerosol generator applied until the CIE enters the alarm state. Once activated, the detector must be reset at the CIE.

The Notifier, Model FSI-851AUS, nom. sens. (S)=0.4 MIC X, ionisation smoke detector will support either FlashScan® or CLIP (Classic Loop Interface Protocol. FlashScan® is a communication protocol developed by Notifier Engineering that greatly enhances the speed of communication between analogue intelligent devices and certain Notifier systems.

Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model FSI-851AUS, nom. sens. (S)=0.4 MIC X, ionisation smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Operating voltage range:	15 to 32 Vdc
Quiescent current:	300 µA @ 24 Vdc (one communication every 5 seconds with LED blink enabled)
Alarm current:	6.5 mA @ 24 Vdc
Sensitivity (S):	0.4 MIC X
Source material:	0.5 microcurie, Americium 241
Operating temperature range:	0°C to +49°C
Height:	43 mm (installed on B501 base assembly)
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