



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3010	15-Jan-2016	Number 9	Issue date 27-Mar-2023	30-Apr-2024

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Product designation

Notifier, Model FST-851HAUS, Type D, heat 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

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

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 Notifier, Model FST-851HAUS, Type D, 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.
- ii. Functional connectivity with the Notifier, AFP-3030, as established from evaluation.

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 FST-851HAUS, Type D, heat detector is an intelligent sensor that utilizes a state-of-the-art thermistor sensing circuit for fast response as a high temperature sensor with a fixed 88°C (190° F) temperature alarm.

Two LEDs on each sensor light to provide a local, visible sensor indication.

This sensor will support either FlashScan™ or Classic Loop Interface Protocol (CLIP) mode.

Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model FST-851HAUS, Type D, heat detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

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
Fixed temperature alarm point:	88°C
Operating temperature range:	-20°C to +66°C
Height:	51mm (installed on B501 base assembly)
Diameter:	104 mm

Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Base designation	Base + detector circuit type	Protocol
System Sensor, Model B501	Addressable	Classic Loop Interface Protocol (CLIP)
		FlashScan

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report Number	XL2953/R1	Conformity Evaluation of the Notifier Model FST-851H Heat Detector to the requirements of AS 1603.1-1997	10-Dec-2015	CSIRO, Fire Systems and Acoustics, AU
Instructions	I56-5932-000 Ver. A	INSTALLATION AND MAINTENANCE INSTRUCTIONS FST-851HAUS Intelligent Plug-In Temperature Sensor	23-Jun-2017	Honeywell Security and Fire, NSW, AU