



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3289</b>	19-Jun-2018	Number 5	Issue date 29-Apr-2021	30-Apr-2022
				Page 1 of 2

## Product designation

**System Sensor, Model 2012/24AUSI, 12/24Vdc externally powered with 9 Vdc battery back-up, silencing/test facility, relay output, interconnectable, photoelectric smoke alarm**

(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 System Sensor, Model 2012/24AUSI, 12/24Vdc externally powered with 9 Vdc battery back-up, silencing/test facility, relay output, interconnectable, photoelectric smoke alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786:2014, 'Smoke alarms using scattered light, transmitted light or ionization' incl. Amdt 1 (27 August 2015).

## 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.

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

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3289</b>	19-Jun-2018	Number 5	Issue date 29-Apr-2021	30-Apr-2022

Page 2 of 2

## Producer's description

The System Sensor, Model 2012/24AUSI, 12/24Vdc externally powered with 9 Vdc battery back-up, silencing/test facility, relay output, interconnectable, photoelectric smoke alarm is an externally energized photoelectric smoke alarm. The smoke alarm primary power supply is an external 10Vdc to 30 Vdc supply. The smoke alarm includes a standby power supply from a non-rechargeable battery which is user replaceable.

An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a pre-determined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energized. A self-test facility is provided. If the button is depressed an alarm signal is emitted.

The System Sensor, Model 2012/24AUSI, 12/24Vdc externally powered with 9 Vdc battery back-up, silencing/test facility, relay output, interconnectable, photoelectric smoke alarm incorporates a silence feature. Pressing the Test/Silence button will enter the smoke alarm into a silence mode for approximately 8 minutes.

The smoke alarm is circular in shape. It is approximately 135 mm diameter and has a height of approximately 55 mm. It clips into a circular mounting base with holes for screws

## Technical specification

The following details are a representative extract of the technical specification for the System Sensor, Model 2012/24AUSI, 12/24Vdc externally powered with 9 Vdc battery back-up, silencing/test facility, relay output, interconnectable, photoelectric smoke alarm 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.

Primary power supply voltage range:	10 Vdc~30 Vdc
Back-up power supply	9 Vdc battery (replaceable)
Replacement battery	Type: Alkaline
	Brand: Hengwei, Duracell or Energizer
Max. average standby current:	6mA @ 24 Vdc external power and 9 Vdc back-up battery
	9 µA @ only 9 Vdc back-up battery
Max. average alarm current:	30 mA @ 24 Vdc external power and 9 Vdc back-up battery
	50 mA @ only 9 Vdc back-up battery
P-Horn sound output level:	85 dB(A) at 3 m
Max. inter connected units:	24
Silence Mode timeout period:	8 minutes or cancel by pressing silence/test switch for more than 3 seconds
Relay contract ratings:	1 Amp@30 Vdc/30 Vac
Height:	55 mm
Diameter:	135 mm
Weight:	236 g
Operating temperature range	0° to 45°C
Humidity:	5% to 93% R.H.

## 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	XF3126/R2	Evaluation for Conformity of the System Sensor Model 2012/24AUSI Photoelectric Smoke Alarm to the requirements of AS 3786-2014 +A1:2015	21-Jun-2018	CSIRO, Fire Systems Laboratory
Issue No.	156-6410-000 Ver.B	System Sensor INSTALLATION AND MAINTENANCE INSTRUCTION 2012/24AUSI Photoelectric Smoke-alarm with Integral Temp-3 Sounder	13-Jun-2018	Xi'an System Sensor Electronics, Ltd, CHINA