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ACTIVE FIRE PROTECTION – PRODUCT CERTIFICATION

Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until
afp - 2299	18-Mar-2009	7	16-Dec-2012	30-Apr-2013

Product designation

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

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

Agent/distributor

Notifier Inertia
9 Columbia Way, Norwest Business Park, 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, CHINA, 710075

Producer

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

Conformance criteria and evaluation

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

1. Australian Standard AS 3786-1993, 'Smoke alarms' incl. Amdt 1 (April 1995) / Amdt 2 (December 1995) / Amdt 3 (9 November 2001) / Amdt 4 (22 April 2004).

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

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Producer's description

The System Sensor, Model 2012/24AUS, interconnectable, silencing/hush facility, relay output, 12-24 Vdc externally powered with 9 Vdc battery back-up, photoelectric smoke alarm includes a relay which switches in response to smoke, and may also switch in response to an external signal from a connected device.

The smoke alarm includes a standby power facility in the form of a user replaceable 9 volt battery contained in a compartment accessible by removing a screw after detaching the smoke alarm from its ceiling mount.

The smoke alarm operates by the sounding of a piezo sounder that provides an audible alarm signal when the smoke alarm senses smoke which exceeds the pre-determined alarm level threshold. When the smoke level drops below the alarm threshold level, the piezo sounder is de-energized.

A self test facility is provided by means of a test button that electrically simulates the presence of smoke. When the test button is depressed, an alarm signal is emitted until the test button is released.

The System Sensor, Model 2012/24AUS, interconnectable, silencing/hush facility, relay output, 12-24 Vdc externally powered with 9 Vdc battery back-up, photoelectric smoke alarm occupies a circle approximately 135mm diameter on the ceiling and extends 55mm below the height of the ceiling.

Technical specification

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

Supply voltage range:	10 Vdc ~ 30 Vdc
Max. standby current:	60 µA
Max. alarm current:	50 mA
P-horn sound output level:	85 dBA at 3m
Back-up battery:	9 Vdc carbon zinc battery
Models:	1. GP 1604G 2. Eveready 1222 3. Duracell MN1604
Height:	55 mm
Diameter:	135 mm
Weight:	220 g
Operating temperature range:	0°C to 50°C
Humidity:	5% to 93% R.H.