



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1597	14-Jul-2003	Number 21	Issue date 3-Apr-2024	30-Apr-2025

Page 1 of 2

Product designation

System Sensor, Model 2112/24AITR, 12/24 Vdc externally powered, interconnectable, auxiliary alarm output, temporal sounder, 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

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 System Sensor, Model 2112/24AITR, 12/24 Vdc externally powered, interconnectable, auxiliary alarm output, temporal sounder, 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).

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

Kai Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1597	14-Jul-2003	Number 21	Issue date 3-Apr-2024	30-Apr-2025

Page 2 of 2

Producer's description

The System Sensor, Model 2112/24AITR, 12/24 Vdc externally powered, interconnectable, auxiliary alarm output, temporal sounder, photoelectric smoke alarm is a 4-wire smoke alarm using an optical sensing chamber. The smoke alarm also provides restorable 57°C fixed-temperature detection.

The photoelectric smoke sensor is isolated from the fixed temperature heat sensor, providing a self-resetting, local audible smoke alarm that does not alarm at the control and indicating equipment. Only the fixed temperature heat sensor will cause the System Sensor, Model 2112/24AITR, smoke alarm to alarm at the control and indicating equipment.

A piezoelectric horn provides an interrupted 85dBA tone when the smoke alarm enters the alarm state.

An indicator LED on the smoke alarm blinks every ten seconds when the smoke alarm is in standby state. The LED latches in the alarm state.

Technical specification

The following details are a representative extract of the technical specification for the System Sensor, Model 2112/24AITR, 12/24 Vdc externally powered, interconnectable, auxiliary alarm output, temporal sounder, 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.

Heat sensor:	57°C Fixed temperature electronic thermistor
Smoke sensor:	Optical sensing chamber
System voltage:	12 or 24 Vdc
Minimum:	10 Vdc
Maximum:	35 Vdc
Standby current:	50 µA
Alarm current:	49 mA typical, 60 mA maximum @ 12 Vdc 57 mA typical, 65 mA maximum @ 24 Vdc
Operating temperature range:	0°C to 38°C
Operating humidity range:	10% to 93% Relative Humidity, non-condensing
Reset voltage:	0.8 Vdc minimum
Reset time:	1 second maximum
Startup time:	30 seconds maximum
Latching alarm:	Reset by momentary power interruption
Diameter:	140 mm
Height:	52 mm (including mounting bracket)
Weight:	210 g
Alarm initiation & auxiliary relay:	1 A @ 30 Vac
Contact ratings, Resistive load:	1 A @ 30 Vdc