



Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 2
afp - 3561	22-Feb-2021	Number 4	4-Apr-2024	30-Apr-2025	

Product designation

Interconnect Smoke Alarm, Model ISA-AC100, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, wire or wireless interconnectable, photoelectric smoke alarm

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

Agent/distributor

Interconnect Smoke Alarm Pty Ltd
68/543 Pine Ridge Road, BIGGERA WATERS, QLD, AUSTRALIA, 4216

Registrant

Zhejiang Jiaboer Electronic Technology Co., Ltd
No. 606 Daqiao South Road, Dayuan Town, Fuyang District, HANGZHOU, Zhejiang, CHINA, 311400

Producer

Zhejiang Jiaboer Electronic Technology Co., Ltd
No. 606 Daqiao South Road, Dayuan Town, Fuyang District, HANGZHOU, Zhejiang, CHINA, 311400

Conformance criteria and evaluation

The Interconnect Smoke Alarm, Model ISA-AC100, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, wire or wireless 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) / Amdt 2 (30 October 2018).

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

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Page 2 of 2

Producer's description

The Interconnect Smoke Alarm, Model ISA-AC100, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, wire or wireless interconnectable, photoelectric smoke alarm is an externally energized smoke alarm. The primary power supply is an external 220-240 Vac supply. The smoke alarm includes a secondary power supply from a user-replaceable 9 Vdc battery.

An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a predetermined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energized.

A self-test facility is provided by means of a button. If the button is depressed an alarm signal is emitted.

A 'hush' button feature is incorporated. The smoke sensitivity is reduced for approximately 10 minutes, at which time the smoke alarm automatically returns to normal operation.

The Interconnect Smoke Alarm, Model ISA-AC100, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, wire or wireless interconnectable, photoelectric smoke alarm is fitted with wire and wireless communication interface. It can interconnect up to 40 devices.

Technical specification

The following details are a representative extract of the technical specification for the Interconnect Smoke Alarm, Model ISA-AC100, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, wire or wireless 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.

Sensor	Photoelectric (Type A)
Power	220 ~ 240V AC 5-60Hz with 9V battery backup
Alarm volume	> 85 dB(A) at 3 meters
Hush time	Approx. 8 minutes
Wired and wireless interconnection	up to 40 detectors
Alarm battery	
Replacement	Pairdeer: 6F22, 6LR61
	GP: 1604S, 1604A
	EVE: CR9V/P
Sound pattern	ISO8201

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	XF3448/R1	Evaluation for conformity of the Interconnect Smoke Alarm Model ISA-AC100 to the requirements of AS 3786:2014 +A1 +A2	11-Jan-2021	CSIRO, Fire Systems Laboratory, AU
Document	ISA-AC100 User Manual.pdf	Interconnect Smoke Alarm User Manual Model Number: ISA-AC100 (ISA-AC100 User Manual.pdf)	23-Dec-2020	Interconnect Smoke Alarm Pty Ltd, AU