



Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 2
afp - 3304	24-Aug-2018	Number 6	4-Apr-2024	30-Apr-2025	

Product designation

Smoxe, Model Smoxe240V-B1YHW, 220~240 Vac powered with 9 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm

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

Agent/distributor

Haneco Lighting Australia Pty Ltd
Unit 1, 262 Marion Road, NETLEY, SA, AUSTRALIA, 5037

Registrant

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Producer

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Conformance criteria and evaluation

The Smoxe, Model Smoxe240V-B1YHW, 220~240 Vac powered with 9 Vdc battery back-up, hush/silencing facility, 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).
2. CSIRO Technical Specification TS-007, Version 3: 15-Sep-2016, 'Evaluation for Conformity of smoke alarms to the requirements of AS 3786:2014'.

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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Producer's description

The Smoxe, Model Smoxe240V-B1YHW, 220~240 Vac powered with 9 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm is intended for use in domestic and residential dwellings. The 9Vdc battery is user replaceable.

This smoke alarm is interconnectable for up to 12 units.

The smoke alarm operates according to the principle of light scattering. Inside the measuring chamber, which is protected against external light by a black plastic labyrinth, a light emitter and a light receiver are mounted so that no direct light from the emitter can reach the receiver while aerosol is absent in the chamber.

If smoke particles enter the measuring chamber, the light pulse from the light emitter will be scattered by the smoke particles and can thus reach the light receiver. The electronics assess the light incidence and will activate an alarm (both visual and audible) if a predetermined threshold value is exceeded.

This unit is circular in shape and is approximately 140 mm diameter with a height of 43 mm.

Technical specification

The following details are a representative extract of the technical specification for the Smoxe, Model Smoxe240V-B1YHW, 220~240 Vac powered with 9 Vdc battery back-up, hush/silencing facility, 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
Power	220~240 Vac 50Hz with 9 Vdc battery backup (replaceable)
Battery replacement	Voltage: 9 Vdc (Carbon Zinc, Alkaline. Lithium battery) Gold Peak: GP1604S (Carbon Zinc Battery) Gold Peak: GP1604A (Alkaline Battery) Raymax: 6LR61 (Alkaline Battery) EVE: CR9V/P (Lithium battery)
Operation current	< 100mA (alarm)
Alarm volume	85 dB(A) at 3 meters
Alarm sensitivity	0.122~0.190 dB/m
Silence time	approx. 8 minutes
Interconnection	Up to 12 units
Smoke alarm device sound pattern:	ISO 8201
Dimensions (approx.)	Diameter 140 mm Height 43 mm

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	XF3242/R1	Evaluation for Conformity of the Haneco Model Smoxe240V-B1YHW Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	16-Aug-2018	CSIRO, Fire Systems Laboratory, AU
Document	GS518E Smoke Alarm User Manual REV D_UPDATED HANECO	HANECO LIGHTING USER MANUAL SMOXE Model number: SMOXE240V-B1YHW	29-Jun-2018	Haneco Lighting Australia Pty Ltd, AU