



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	Page 1 of 2
afp - 3056	14-Jul-2016	Number 9	Issue date 10-Apr-2024	

Product designation

Brooks, Model EIB650iW, 10 year lithium battery powered, silencing/hush feature, interconnectable (wireless option), photoelectric smoke alarm

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

Agent/distributor

Brooks Australia Pty Ltd
4 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Registrant

Brooks Australia Pty Ltd
4 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Producer

Ei Electronics
SHANNON, CO. CLARE, IRELAND

Conformance criteria and evaluation

The Brooks, Model EIB650iW, 10 year lithium battery powered, silencing/hush feature, interconnectable (wireless option), 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 2: 27-Jul-2015, '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 Brooks, Model EIB650iW, 10 year lithium battery powered, silencing/hush feature, interconnectable (wireless option), photoelectric smoke alarm is a circular styled, 3V self-contained smoke alarm intended for use in residential dwellings. The battery is not user replaceable.

The smoke alarm operates according to the principle of light scattering. The core is a measuring chamber protected against external light by a black labyrinth. In this chamber there is a light transmitter and receiver fitted horizontally for smoke detection, with restrictors located in the beam path so that in aerosol-free air no light can fall from the transmitter onto the receiver. If smoke particles enter the measuring chamber, the light pulse transmitted by the transmitter is scattered. The light falling onto the receiver is evaluated by the connected electronic system. The internal sounder and the LED of the device are triggered. To test the function of the device, a test button is provided.

This unit can be wirelessly interconnected by adding the RadiolINK plug-in module (purchased separately).

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model EIB650iW, 10 year lithium battery powered, silencing/hush feature, interconnectable (wireless option), 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 type	Photoelectric
Signal pattern	ISO 7731
Power supply	3V, 10 year lithium battery
Interconnection	
Wireless	RF (EIB600MRF RadiolINK, purchased separately)
Operating temperature range	0° to 40° C

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:	XF2968/R1	Evaluation for conformity of Brooks Models EiB650iW and EiB650iC Photoelectric Smoke Alarms to the requirements of AS 3786:2014 +A1:2015 'Smoke Alarms using scattered light, transmitted light or ionization'	29-Jun-2016	CSIRO, Infrastructure Technologies, Fire Systems and Acoustics
P/N	B18AAA Rev0	Brooks Battery Powered, Smoke Alarms, EIB650i Series	17-Feb-2016	Brooks Australia Pty Ltd, AU