



# Certificate of Conformity

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<b>afp - 3058</b>	14-Jul-2016	Number 9	10-Apr-2024	30-Apr-2025	

## Product designation

**Brooks, Model EIB166e, 230 Vac powered, fixed (non-replaceable) rechargeable battery backup, silencing/hush facility, interconnectable (wired or 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 EIB166e, 230 Vac powered, fixed (non-replaceable) rechargeable battery backup, silencing/hush facility, interconnectable (wired or 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 EIB166e, 230 Vac powered, fixed (non-replaceable) rechargeable battery backup, silencing/hush facility, interconnectable (wired or wireless option), photoelectric smoke alarm is an externally energized photoelectric smoke alarm.

The primary power supply is external 230 Vac with standby power from a rechargeable battery that is not user replaceable.

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

A green LED indicates the presence of mains power, a red LED will flash rapidly in an alarm scenario.

This unit features a combined test/hush button. The 'Test/Hush' button will either silence false alarms or perform a unit self-test. In 'Test' mode, the alarm will perform a self-test and sound the horn. In 'Hush' mode, the alarm will be silenced for a period of approximately ten minutes to overcome false alarm conditions. It will then automatically reset.

## Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model EIB166e, 230 Vac powered, fixed (non-replaceable) rechargeable battery backup, silencing/hush facility, interconnectable (wired or 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	
Primary	220/240 Vac~50Hz, 40 mA, 1W
Standby	fixed (non-replaceable) rechargeable battery
Interconnection	
Wired	Number of units
	12
	Maximum electrical resistance between smoke alarms 50 ohm.
Wireless	RF (EIB100MRF RadiolINK, purchased separately)
Operating temperature range	4° 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:	XF2971/R1	Evaluation for conformity of the Brooks Model EIB166e Photoelectric Smoke Alarm to the requirements of AS 3786:2014 (Incorporating Amendment 1) 'Smoke Alarms using scattered light, transmitted light or ionization'	26-Apr-2016	CSIRO, Infrastructure Technologies, Fire Systems and Acoustics
P/N	B18XXX Rev0	Brooks 230V~ SMOKE & HEAT ALARMS with Rechargeable Battery Backup Introduction to EIB160e Smoke/Heat Alarms	11-Nov-2016	Brooks Australia Pty Ltd, AU