



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3766</b>	14-Feb-2023	Number 4	Issue date 29-Apr-2026	30-Apr-2027

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## Product designation

**Brooks, Model EIB146e, 230 Vac powered, 9 Vdc non-rechargeable battery backup, photoelectric smoke alarm with Brooks Model EIB168 RC RadioLink base**

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

## Agent/distributor

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

## Registrant

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

### Producer

Ei Electronics  
SHANNON, CO. CLARE, IRELAND

## Conformance criteria and evaluation

The Brooks, Model EIB146e, 230 Vac powered, 9 Vdc non-rechargeable battery backup, photoelectric smoke alarm with Brooks Model EIB168 RC RadioLink base 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

Kaj Loh  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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## Producer's description

The Brooks, Model EIB146e, 230 Vac powered, 9 Vdc non-rechargeable battery backup, photoelectric smoke alarm with Brooks Model EIB168 RC RadioLink base is an externally energized photoelectric smoke alarm. The smoke alarm main power supply is an external 230 Vac supply. The Brooks Model EIB146e Photoelectric Smoke Alarm includes a standby power supply from a non-rechargeable 9Vdc battery.

An electric buzzer/horn provides an audible alarm signal when the Brooks Model EIB146e Photoelectric Smoke Alarm senses smoke which exceeds a pre-determined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energised. A self test facility is provided by means of a button. If the button is depressed an alarm signal is emitted.

The Brooks Model EIB146e Photoelectric Smoke Alarm incorporates a 'hush button' feature. According to the manufacturer's instructions, pressing the hush button reduces the smoke sensitivity of the smoke alarm. The sensitivity is reduced for approximately 12 minutes, at which time the smoke alarm automatically returns to normal operation.

The Brooks Model EIB146e Photoelectric Smoke Alarm can be interconnected with other Brooks alarms, using either wired or wireless radio frequency communication. When interconnected, one smoke alarm entering the alarm state will result in all interconnected devices operate their piezo sounders. The manufacturer recommends the maximum number of wired interconnected alarms be limited to twenty and twelve via wireless interconnection which is required Brooks Model EIB168RC RadioLINK base.

The smoke alarm is circular in shape. It is approximately 150mm in size with a height of 60 mm connected to Brooks Model EIB168RC RadioLINK base.

## Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model EIB146e, 230 Vac powered, 9 Vdc non-rechargeable battery backup, photoelectric smoke alarm with Brooks Model EIB168 RC RadioLink base and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Base designation	Description
EIB168C	RadioLINK Alarm base

### Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Sensor type:	Photoelectric
Product life:	10 Years
Supply voltage:	230 Vac, 50Hz
Power consumption:	0.75 W max
Battery back-up:	Replaceable 9V alkaline battery back up
Button test:	Checks sensor, electronics and horn
Silence function:	Silences alarm for 10 minutes
Visual indicators:	Green LED: Power Red LED: Self-check, alarm, hush, memory & fault
Memory feature:	2 red flashes every 40 s to indicate a previous alarm activation
Alarm sound output:	85 db(A) at 3m
Normal operating and storage temperature:	-10 °C to 40 °C
Normal operating and storage humidity range:	15% to 95% Relative Humidity – non condensing
Dimensions:	148 mm (diameter) x 50 mm (height)
Weight:	350 grams
Warranty:	5 year (limited) warranty

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## 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	XF3526/R1	Evaluation for Conformity of the Brooks Model EIB146e Photoelectric Smoke Alarm, combined with Brooks Model EIB168RC RadioLINK base to the requirements of AS 3786:2014 +A1:2015 +A2:2018	31-Jan-2023	CSIRO, Fire Systems Laboratory, AU
Data Sheet	Ei146e Data Sheet RevM01	Ei Electronics® Fire + gas detection Ei146e – Optical Smoke Alarm (Ei146e_DATA_SHEET_REV01 .pdf)	10-Jan-2023	Ei Electronics, IE