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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until
afp - 1579	7-Mar-2003	22	29-Apr-2026	30-Apr-2027

Product designation

Brooks, Model EIB 141I, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, ionisation smoke alarm

(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 EIB 141I, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, ionisation smoke alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786-1993, 'Smoke alarms' incl. Amdt 1 (April 1995) / Amdt 2 (December 1995).

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
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Producer's description

The Brooks, Model EIB 141I, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, ionisation smoke alarm is a multiple station externally energized ionization smoke alarm with user replaceable 9 Vdc stand-by battery. The smoke alarm is intended for use in residential dwellings. The smoke alarm is designed for mains power (240 Vac 50 Hz) operation and has a user replaceable 9 volt alkaline battery as the stand-by power supply. Access to the stand-by battery requires removal of the smoke alarm from its mounting base. Removal of the smoke alarm from its mounting base also disconnects mains power to the smoke alarm. Indication that the stand-by battery is at the end of its service life is provided by a brief sound (fault signal) from the peizo-sounder, approximately once every 40 seconds. This fault signal is given for a period of at least 7 days.

The smoke alarm operates by the sounding of a peizo-sounder that provides an audible alarm signal when the smoke alarm senses smoke which exceeds the pre-determined alarm level threshold. When the smoke level drops below the alarm threshold level, the peizo-sounder is de-energized. A self test facility is provided by means of a test button that electrically simulates the presence of smoke. When the test button is depressed, an alarm signal is emitted until the test button is released.

Additional features of the Brooks model EIB 141I smoke alarm include an interconnection feature for connection to up to 12 other compatible Brooks Australia smoke or heat alarm units. Installation of the smoke alarm is achieved by the placement of the smoke alarm onto a dedicated mounting base that contains the electrical termination facility.

The smoke alarm is approximately 145 mm in diameter and has a height of approximately 50 mm when connected to its mounting base. The smoke alarm comes in gift-box packaging and is supplied with a mounting bracket, two mounting screws, 9 Vdc stand-by battery and owner's manual.

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model EIB 141I, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, ionisation smoke alarm and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Ambient temperature range:	5°C to 45°C
Power supply:	240 Vac, 50 Hz
Interconnection facility:	Up to 12 compatible Brooks Australia smoke or heat alarms may be interconnected.
Status indicators:	
Green LED:	Normal operation (LED steady)
Red LED:	Alarm initiated (flashing)
Dimensions:	145 mm diameter, 50 mm high
Recommended batteries (9 Vdc):	Duracell MN1604 Eveready 522
Test & hush button:	Combined test and hush button provided on cover of smoke alarm.
Radiation source:	Americium 241, 0.9 μC