



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2540	8-Dec-2011	Number 9	Issue date 26-Apr-2019	30-Apr-2020

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Product designation

Brooks, Model EiB605C, 9 Vdc battery powered, interconnectable, 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 EiB605C, 9 Vdc battery powered, 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 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

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Brooks, Model EiB605C, 9 Vdc battery powered, interconnectable, photoelectric smoke alarm intended for use in residential dwellings. An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a pre-determined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energized. A self test facility is provided by means of a button. If the button is depressed an alarm signal is emitted.

When the button is depressed the smoke alarm sensitivity is reduced. During this 5 minute period the buzzer/horn emits an audible signal, approximately every 50 seconds.

This product can be interconnected with other Brooks EiB605C and EiB605TYC smoke alarms, and Brooks EiB603TYC and EiB603C heat alarms (i.e. EiB600 series heat and smoke alarms), using a external connectors or wireless radio frequency communication. When interconnected, should one smoke alarm enter the alarm state, all interconnected devices operate their piezo sounders. The manufacturer recommends the maximum number of interconnected alarms be limited to twelve.

This product is fitted with a 9 Vdc user replaceable battery.

The wireless communication card (Ei605MRF) fitted to this product is powered from the user replaceable 9 Vdc battery.

This product is approximately 120 mm in diameter and has a height of approximately 45 mm when connected to its supplied mounting base.

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model EiB605C, 9 Vdc battery powered, 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:	Optical, uses light scatter from smoke particles
Airspeed:	Essentially immune to the effect of airspeed
Button test:	Simulates the effect of smoke to check the chamber, electronics and horn.
Hush:	Silences nuisance alarm. Automatically resets after approximately 10 minutes
Alarm:	Piezoelectric-horn (built-in)
Alarm sound output:	85 db (minimum) at 3m
Temperature range:	0 to 40°C
Humidity range:	15% to 95% Relative Humidity – non condensing
Hardwire interconnect:	Interconnect up to 12 alarms and remote control devices
RadioLINK interconnect:	Optional interconnect for up to 12 battery powered RadioLINK ready alarms and remote control devices Requires fitment of optional RadioLINK interconnect module, Brooks, Model EIB605MRF
Fixing:	Screw fixings supplied
Dimensions:	115mm (diameter) x 45mm (height)
Weight:	200 grams
Warranty:	5 year (limited) warranty

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	XF3087/R1	Evaluation for Conformity of the Brooks Model EIB605C and EIB605TYC Photoelectric Smoke Alarms to the requirements of AS 3786-2014 +A1:2015	23-Mar-2017	CSIRO, Fire Systems Laboratory, AU
User Manual	P/N B17078 Rev 0	Brooks Battery Powered Smoke & Heat Alarms EIB600 Series (B17078-R0-Ei600 SERIE-BROOK.qxd)	27-Jan-2017	Brooks Australia Pty Ltd, AU