



Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	
afp - 2190	19-May-2008	Number 17	5-Apr-2023	30-Apr-2024	Page 1 of 2

Product designation

Brooks Australia, Model EiB405TYRF, 9 Vdc non-user replaceable lithium battery, RF interconnectable, silencing/hush facility 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 Australia, Model EiB405TYRF, 9 Vdc non-user replaceable lithium battery, RF interconnectable, silencing/hush facility photoelectric 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) / Amdt 3 (9 November 2001) / Amdt 4 (22 April 2004).

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.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. A maximum of 12 smoke alarms are interconnected.
- ii. The smoke alarm is installed and maintained as recommended by the manufacturer.

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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Page 2 of 2

Producer's description

The Brooks Australia, Model EiB405TYRF, 9 Vdc non-user replaceable lithium battery, RF interconnectable, silencing/hush facility photoelectric smoke alarm is a multiple station internally energized device. The smoke alarm power supply is from internal Lithium type batteries which are connected when the smoke alarm is clipped to the supplied mounting base for the first time.

The smoke alarm operates by the sounding of a piezo 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 piezo 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. Depressing the test button also initiates a "Hush" mode (alarm silence facility), which reduces the sensitivity of the Smoke alarm for a period of approximately 12 minutes. During this time, the integral red LED pulses every 12 seconds to indicate the device is in hush mode. At the end of the 12 minute period the device returns to normal mode automatically.

The Brooks Australia, Model EiB405TYRF, 9 Vdc non-user replaceable lithium battery, RF interconnectable, silencing/hush facility photoelectric smoke alarm can be interconnected with other smoke alarms of the same model using a wireless radio frequency interconnection. When interconnected, should one smoke alarm enter the alarm state, all interconnected devices operate their piezo sounders. The manufacturer limits the number of interconnected alarms to twelve.

The Brooks Australia, Model EiB405TYRF, 9 Vdc non-user replaceable lithium battery, RF interconnectable, silencing/hush facility photoelectric smoke alarm is approximately 152 mm in diameter and has a height of approximately 53 mm when connected to its supplied mounting base.

The smoke alarm is supplied in cardboard box type packaging, complete with mounting base, instruction leaflet, dust protector (to be removed after installation) and screws/anchors for mounting

Technical specification

The following details are a representative extract of the technical specification for the Brooks Australia, Model EiB405TYRF, 9 Vdc non-user replaceable lithium battery, RF interconnectable, silencing/hush facility 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.

Ambient temperature range:	5 °C to 45 °C
Primary power supply:	Non-replaceable lithium batteries 3 x 3V cells for smoke alarm. 1 x 3V cell for wireless interconnect
Interconnection facility:	Wireless facility. Up to 12 compatible alarms
Status indicators:	
Red LED:	Normal Operation, flashes every 40 s. Hush mode, flashes every 10 seconds In alarm, flashes continuously
Blue LED:	Flash codes indicates wireless operation (refer manual)
Alarm silence facility	Combined test/hush button on cover
Dimensions:	152mm diameter, 53mm high (on integral mounting base)