



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1692	22-Jul-2004	Number 16 (Provisional)	Issue date 1-May-2020	30-Apr-2021

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Product designation

Brooks, Model EiB3105TYCH, 9 Vdc non-user replaceable lithium battery, silencing/hush facility, 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 EiB3105TYCH, 9 Vdc non-user replaceable lithium battery, silencing/hush facility, interconnectable, 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).

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 EiB3105TYCH, 9 Vdc non-user replaceable lithium battery, silencing/hush facility, interconnectable, photoelectric smoke alarm operates by the sounding of a peizo-sounder that provides an audible alarm signal when the smoke alarm senses smoke which exceeds a pre-determined alarm threshold. When the smoke level drops below the alarm threshold level, the peizo-sounder is de-energized. A self test facility is also provided by means of a test button that electrically simulates the presence of smoke. When the button is depressed, an audible alarm signal is emitted until the button is released. The smoke alarm includes a hush function (same button as test button) which silences the audible alarm signal to give the user an opportunity to investigate and remove the cause of the alarm for a designated period (about 10 minutes), before the smoke alarm reverts to its normal state. The smoke alarm indicates that it is in the hush mode by the visible indicator flashing every 11 sec.

The smoke alarm is internally powered from a 9 Vd.c. battery (FDK Corporation model NC604, comprising 3 lithium/manganese model CR8.L cells). The battery has a specified service life of at least 10 years. Indication that the 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 secs. This fault signal is given for a period of at least 7 days. The manufacturer recommends replacement of the smoke alarm when the battery has reached the end of its service life.

An additional feature of the smoke alarm is the inclusion of an interconnect facility, which according to the manufacturer, enables connection of up to twelve other compatible Brooks smoke alarm units. Installation of the smoke alarm is achieved by using the supplied screws on mounting holes accessed by opening the smoke alarm outer cover.

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model EiB3105TYCH, 9 Vdc non-user replaceable lithium battery, silencing/hush facility, 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.

The smoke alarm consists of the following parts:

Top cover:	Part num. B14230
Main housing:	Part num. B14229
PCB:	Part num. B13968 Rev.3
Peizo sounder	Part num. B13604 1
Battery pack:	Part num. NC604 (3CR8.L)
Battery pack cover	Part num. B14231