



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1673	10-May-2004	Number 16 (Provisional)	Issue date 1-May-2020	30-Apr-2021

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Product designation

Brooks, Model PFS-PTLH, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, 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, Model PFS-PTLH, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, 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).

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. Installation with the mounting plate and no additional accessories are connected to the unit.

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 PFS-PTLH, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, silencing/hush facility, photoelectric smoke alarm is a single station, 9 volt internally energised photoelectric smoke alarm intended for residential premises.

The smoke alarm operates by the sounding of a peizo-sounder which 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-energised. A self test facility is provided by means of a test/hush button which electrically simulates the presence of smoke. When the button is depressed an alarm signal is emitted until the test/hush button is released. The test/hush button also provides the alarm 'hush' facility.

The Brooks, Model PFS-PTLH, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, silencing/hush facility, photoelectric smoke alarm is designed for 240 Vac 50 Hz operation and has long life re-chargeable lithium power cells as the standby power supply. The power cells are permanently soldered onto the smoke alarm's printed circuit board and are not user replaceable. Indication that the cells are at the end of their 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 three days.

Additional features of the Brooks, Model PFS-PTLH, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, silencing/hush facility, photoelectric smoke alarm include interconnection to a maximum of twelve compatible smoke or Brooks Australia heat alarm units. Installation of the smoke alarm is achieved by the placement of the smoke alarm onto a dedicated mounting plate. The smoke alarm is packaged with a plug-in terminal connector with flying leads and mounting screws.

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model PFS-PTLH, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, 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.

Dimensions:	140 mm x 125 mm x 45 mm
Light source:	pulsed infra-red LED
Battery:	long life rechargeable vanadium pentoxide lithium power cells soldered onto the PCB. The power cells are Panasonic VL2330-1HF (Matsushita Electric, Japan) button type cells, 3 V nominal voltage.
Battery life:	Manufacturer recommended battery life is 10 years
Temperature range:	5°C to 45°C
Interconnection:	up to a total of 12 compatible Brooks Australia smoke alarm or heat alarm units