



Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	
afp - 1128	16-Jul-1997	Number 20	10-Apr-2024	30-Apr-2025	Page 1 of 2

Product designation

Brooks, Model PFS-ITL, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, silencing/hush facility, interconnectable, ionisation 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-ITL, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium 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.

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

- i. Installation with the flat 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

Kai Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
afp - 1128	16-Jul-1997	Number	Issue date	30-Apr-2025	
		20	10-Apr-2024		

Producer's description

The Brooks, Model PFS-ITL, 240 Vac powered & 9 Vdc fixed rechargeable long-life lithium battery backup, silencing/hush facility, interconnectable, ionisation smoke alarm is a two piece, rectangular shaped smoke alarm powered from an external 240 Vac supply that is intended for residential dwellings. A green LED in the front cover indicates the mains supply is connected to the smoke alarm. An internal rechargeable lithium is fitted to the smoke alarm as the mains supply backup. A low battery signal is provided by a brief sound from an electronic buzzer/horn when the internal battery reaches approximately 8.3 Vdc.

The buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke that exceeds a pre-determined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energised. A self test facility is provided by means of a touch button. An alarm signal will be emitted while the button is depressed. A "HUSH" feature is activated by depressing the Hush button in the corner of the front cover of the smoke alarm.

This equipment can be interconnected to twelve (12) other smoke alarms of the same series, PFS-ITL ionisation, PFS-PTL photoelectric, or PFS-TTL heat alarm.

A mounting plate, with tamper-resistant catch and sealing gasket, and 240 Vac connection lead is supplied with the smoke alarm.

Technical specification

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

Sensing element:	Americium 241 0.9 μ C
External supply voltage:	220 to 240 Vac, 50 Hz, 40 mA, 0.8 W
Internal supply voltage:	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 or heat alarm units
Dimensions:	140 mm x 125 mm x 45 mm