



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1133</b>	1-Aug-1997	Number 15	Issue date 26-Apr-2019	30-Apr-2020

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## Product designation

**Brooks, Model PFS-TTL, 240 Vac powered & 9 Vdc lithium long-life battery backup, interconnectable, heat 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-TTL, 240 Vac powered & 9 Vdc lithium long-life battery backup, interconnectable, heat alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.3-1996, 'Automatic fire detection and alarm systems - Heat alarms'.

## 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 provided.

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-TTL, 240 Vac powered and 9 Vdc lithium long-life battery backup, interconnectable, heat alarm is a single station, externally energised heat alarm intended for use in residential premises as a supplementary device to smoke alarms. The heat alarm is designed for 240 Vac 50 Hz operation and has a non replaceable, internal rechargeable lithium battery as the stand-by power supply. When the stand-by battery requires recharging or it is at the end of its service life, the piezo-electric sounder will a fault signal, approximately every 40 second, for seven days.

This equipment operates when the temperature sensed by the thermistor exceeds the pre-determined alarm level. When the temperature falls below the alarm level, the peizo-electric sounder is de-energised. A self test facility is provided to electrically simulate the alarm state, causing the peizo-electric sounder to operate.

This equipment may be interconnected with up to twelve (12) other smoke or heat alarms in the Brooks Professional mains powered range.

## Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model PFS-TTL, 240 Vac powered & 9 Vdc lithium long-life battery backup, interconnectable, heat alarm and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

<b>Operating input voltage:</b>	220 / 240 Vac, 50 Hz, 40 mA
<b>Internal supply voltage:</b>	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.
<b>Battery life:</b>	Manufacturer recommended battery life is 10 years
<b>Sensing element:</b>	Thermistor
<b>Temperature set point:</b>	58°C
<b>Interconnection:</b>	Up to a total of 12 compatible Brooks Australia smoke or heat alarm units