



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 4009	17-Mar-2026	Number 1	Issue date 19-Mar-2026	30-Apr-2027

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Product designation

Brooks, Model FA016, +16Vdc powered, fixed rechargeable lithium battery backup, silencing/hush facility, interconnectable, photoelectric smoke alarm

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Brooks Australia Pty
4 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Registrant

Brooks Australia Pty
4 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Producer

Ei Electronics
SHANNON, CO. CLARE, IRELAND

Conformance criteria and evaluation

The Brooks, Model FA016, +16Vdc powered, fixed rechargeable lithium battery backup, 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 3786:2014, 'Smoke alarms using scattered light, transmitted light or ionization' incl. Amdt 1 (27 August 2015) / Amdt 2 (30 October 2018).
2. Australian Standard AS 3786:2023, 'Smoke alarms using scattered light, transmitted light or ionization (ISO 12239:2021, MOD)'.

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

Kaj Loh
Executive Officer – ActivFire Scheme



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Producer's description

The Brooks, FA016 smoke alarm is an externally energized photoelectric smoke alarm. The smoke alarm primary power supply is an external 16 Vdc supply from a Brooks, FA40 RCIE panel. The smoke alarm includes a standby power supply from a rechargeable, non-replaceable 3 Vdc battery.

An electric buzzer/horn provides an audible alarm signal when the FA016 photoelectric smoke alarm senses smoke which 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 button. If the button is depressed an alarm signal is emitted.

The Brooks, FA016 smoke alarm also incorporates a 'hush button' feature. According to the manufacturer's instructions, pressing the hush button reduces the smoke sensitivity of the smoke alarm. The sensitivity is reduced for approximately 12 minutes, at which time the alarm automatically returns to normal operation.

The Brooks, FA016 smoke alarm mounts onto an FA000 base. The FA000 base provides the means of wiring interconnected alarm within the FA40 zone. A total of 10 devices can be interconnected per zone.

Technical specification

The following details are a representative extract of the technical specification for the Brooks, Model FA016, +16Vdc powered, fixed rechargeable lithium battery backup, 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.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		Description
Type	Ident.	
Model	FA016	16 Vdc external powered with rechargeable and non-replaceable 3 Vdc battery back-up, hush/silencing facility, wired (up to 10 devices per zone) interconnectable, photoelectric smoke alarm.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Smoke sensing type:	Type A photoelectric
Main power source:	16 Vdc from a Brooks, FA40 RCIE panel
Standby power:	3V battery (non-replaceable and rechargeable)
Battery list:	Panasonic VL2330
Software version:	1.0.0
Interconnectivity:	Wired (up to 10 devices per zone)
Operating temperature range:	-10 °C to 40 °C
Operating humidity range:	15% to 95% RH
Alarm sound level:	85 dB at 3 metres
Alarm condition:	Audible signal pattern (ISO 7731)
Silencing function:	Yes
Dimensions:	Ø150 mm × 55 mm (h)
Fixing method:	FA000 Mounting Base
Mounting method:	Ceiling only

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Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report	CSBA0273/NR1A	Evaluation of Conformity of Brooks, FA Series, Smoke and Heat Alarm to AS 3786:2014 + A1:2015 + A2:2018	13-Mar-2026	CSIRO, Fire Systems Laboratory, AU
	CSBA0273/NR3A	Evaluation of Conformity of Brooks, FA Series, Smoke and Heat Alarm to AS 3786:2023	13-Mar-2026	
Manual	FA40_Operational_Manual_Iss0.3.pdf	BROOKS OPERATION MANUAL Issue 0.3 FireAlert Smoke Alarm System (FA40) MA475 Dec 2025 (FA40_Operational_Manual_Iss0.3.pdf)	22-Jan-2026	Brooks Australia Pty, AU