



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3314	21-Sep-2018	Number 10	Issue date 7-Apr-2026	30-Apr-2027

Product designation

MATElec, Model FSA-30000, 10 year non-replaceable lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm

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

Agent/distributor

MATElec® Australia
5 Telford Drive, SHEPPARTON, VIC, AUSTRALIA, 3630

Registrant

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Producer

Siterwell Electronics Co., Limited
No. 666 Qingfeng Road, JIANGBEI DISTRICT, NINGBO, ZHEJIANG PROVINCE, CHINA, 315000

Conformance criteria and evaluation

The MATElec, Model FSA-30000, 10 year self-contained (non-replaceable) lithium battery powered, silencing/hush facility, wireless 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. CSIRO Technical Specification TS-007, Version 3: 15-Sep-2016, 'Evaluation for Conformity of smoke alarms to the requirements of AS 3786:2014'.

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



Schedule to Certificate of Conformity

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Producer's description

The MATElec, Model FSA-30000, 10 year non-replaceable lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm is a 3 Vdc 10 year self-contained smoke alarm intended for use in residential dwellings.

This unit senses smoke using the photoelectric principle. An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a pre-determined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energized.

The unit incorporates a 'silence button' feature. According to the manufacturer's instructions, pressing the silence button reduces the smoke sensitivity of the smoke alarm. The sensitivity is reduced for approximately 10 minutes, at which time the smoke alarm automatically returns to normal operation.

The MATElec, Model FSA-30000, 10 year non-replaceable lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm is fitted with a wireless communications interface.

The smoke alarm is circular in shape. It is approximately 114 mm in diameter with a height of 38 mm.

Technical specification

The following details are a representative extract of the technical specification for the MATElec, Model FSA-30000, 10 year non-replaceable lithium battery powered, silencing/hush facility, wireless 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 properties/characteristics

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

Sensor type:	Type A, Photoelectric
Power supply	CR17450 non-replaceable LiMnO2
Battery service Life	> 10 years
Operation temperature	0°C to 45 °C
Operation humidity	5 – 95% RH
Alarm Volume	> 85 dB(A) @ 3 meters
Hush time (silence mode)	10 minutes ±10%
Smoke alarm sound pattern	ISO8201
Max. number of devices in network	40
Wireless frequency	433.42 MHz
Wireless distance	> 100 meters in free field
Dimensions	114 mm in diameter x 38 mm in depth.

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	XF3590/R1	Evaluation for Conformity of the MATElec Model FSA-30000 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015 +A2:2018	31-Mar-2023	CSIRO, Fire Systems Laboratory, AU
	XF3523/R1	Evaluation for Conformity of the Matelec Model FSA-30000 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	9-Dec-2021	
	XF3254/R1	Evaluation for Conformity of the Matelec Model FSA-30000 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	16-Sep-2018	
Document ref.	FSA-30000 Manual 2023 PRINT.pdf	Matelec Australia Photoelectric DC Smoke Alarm Product Code: FSA-30000 (FSA-30000 Manual 2023 PRINT.pdf)	30-Mar-2023	Matelec Australia, AU