



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3314	21-Sep-2018	Number 1	Issue date 21-Sep-2018	30-Apr-2020
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Product designation

MATelec, Model FSA-30000, 10 year sealed (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
8 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 sealed (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).
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

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The MATElec, Model FSA-30000, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm is a 3V DC 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.

A self-test facility is provided by means of a button. If the button is depressed an alarm signal is emitted. It also incorporates a 'silence button' feature with an independent button (adjacent to the 'test' button) for its operation. Pressing the silence button will temporarily silence the alarm for 10 minutes.

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

Technical specification

The following details are a representative extract of the technical specification for the MATElec, Model FSA-30000, 10 year sealed (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 LiMnO ₂
Battery service Life	> 10 years
Operation temperature	0°C to 45°C
Operation humidity	< 93%RH
Alarm current	< 70mA
Alarm Volume	> 85dB(A) @ 3 meters
Quiescent current	< 11uA
Low voltage thresholds	DC 2.6V ±5%
Hush time (silence mode)	10 minutes ±10%
Don't disturb time	10 hours
Smoke alarm sound pattern	ISO8201
Radio link alarm sound pattern	Bi - Bi - pause 1 s
Max. number of devices in network	40
Wireless frequency	433.42MHz
Wireless distance	> 100 meters in free field
Receiver category (SRD Class)	2
Duty cycle (%/h)	1
Wireless response time	< 30 seconds.
Dimensions	114mm in diameter x 37.9mm 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	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	CSIRO, Fire Systems Laboratory, AU
Document ref.	Manual-FSA-30000_IG_V3_04.0 9.2018.docx	SMOKE ALARM USER MANUAL Model Number: FSA-30000	4-Sep-2018	Siterwell Electronics Co., Limited, CN