



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3742	31-Oct-2022	Number 3	Issue date 4-Apr-2024	30-Apr-2025

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Product designation

elumen, Model SATURN-SMA-AC-L10, 240 Vac powered with 3 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm

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

Agent/distributor

Elumen Pty Ltd
Unit 32, 2 Slough Avenue, SILVERWATER, NSW, AUSTRALIA, 2128

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 elumen, Model SATURN-SMA-AC-L10, 240 Vac powered with 3 Vdc battery back-up, hush/silencing 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).

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

Kai Loh

Executive Officer – ActivFire Scheme



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Producer's description

The elumen, Model SATURN-SMA-AC-L10, 240 Vac powered with 3 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm is externally energized equipment. The primary power supply is an external 220-240 Vac supply. A secondary power supply is provided by a user-replaceable 3 Vdc battery.

An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a predetermined 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.

A 'hush button' feature is incorporated and when operated the smoke sensitivity is reduced for approximately 10 minutes, at which time the smoke alarm automatically returns to normal operation.

The elumen, Model SATURN-SMA-AC-L10, 240 Vac powered with 3 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm is fitted with wired and an optional wireless communication interface. It can interconnect up to a maximum of 24 devices (wired) and 40 devices (wireless).

Technical specification

The following details are a representative extract of the technical specification for the elumen, Model SATURN-SMA-AC-L10, 240 Vac powered with 3 Vdc battery back-up, hush/silencing 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			Interconnection
Type	Ident.	Assembly description	
Model	SATURN-SMA-AC-L10	Smoke alarm unit	Wired interconnection on smoke alarm unit
		Optional pluggable RF module	Wireless interconnection

Schedule of properties/characteristics

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

Sensor	Photoelectric (Type A)
Main power source	220-240 Vac / 50 Hz
Secondary power source	3 Vdc battery, user-replaceable Battery type: Pairdeer CR17450, Huiderrui CR17450
AC operating current	< 100 mA
Interconnection	Maximum 24 wired alarms, 150 m maximum Maximum 40 wireless alarms when fitted with optional wireless pluggable RF module (refer pluggable RF module user manual)
Operating temperature	0°C to 40°C
Ambient humidity	≤ 93%
Alarm sensitivity	0.111-0.182 dB/m (Ref.: XL3333/R2)
Alarm volume	≥ 85dB(A) @ 3m
Sound pattern	ISO8201

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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	XF3589/R2	Evaluation for Conformity of the Elumen Model SATURN-SMA-AC-L10 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015 +A2:2018	2-Nov-2022	CSIRO, Fire Systems Laboratory, AU
Document No	RD-(514E-D)-39-001	elumen Smoke Alarm User Manual Model number: SATURN-SMA-AC-L10 Document NO.:RD-(514E-D)-39-001 Date: 2022.07 REV A, dated Jul-2022 (Instruction Manual SATURN-SMA-AC-L10.pdf)	Jul-2022	Elumen Pty Ltd, AU
	RD-(514E-D-H07)-39-001 Rev A	Pluggable Module user manual	19-Dec-2019	Siterwell Electronics Co., Limited, CN