



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3264	14-May-2018	Number 8	Issue date 12-Apr-2023	30-Apr-2024

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Product designation

OmniShield Smoke, Model CFS10AU, 3 Vdc battery powered, silencing/hush facility, interconnectable, supplemental heat sensor, photoelectric smoke alarm

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

Agent/distributor

Applied Fire Technologies
Suite 190, 825 W Sandy Lake Road, TX, UNITED STATES

Registrant

Exigent Sensors LLC
11331 Markon Drive, Garden Grove, GARDEN GROVE, CA, UNITED STATES, 92841

Producer

Exigent Sensors LLC
11331 Markon Drive, Garden Grove, GARDEN GROVE, CA, UNITED STATES, 92841

Conformance criteria and evaluation

The OmniShield Smoke, Model CFS10AU, 3 Vdc battery powered, silencing/hush facility, interconnectable, supplemental heat sensor, 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

Kai Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The OmniShield Smoke, Model CFS10AU, 3 Vdc battery powered, silencing/hush facility, interconnectable, supplemental heat sensor, photoelectric smoke alarm is an externally energized photoelectric smoke alarm. The smoke alarm primary power supply a non-rechargeable battery.

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. If the button is depressed an alarm signal is emitted.

The OmniShield Smoke, Model CFS10AU, 3 Vdc battery powered, silencing/hush facility, interconnectable, supplemental heat sensor, photoelectric smoke alarm incorporates a silence feature. Pressing the Test/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 smoke alarm is square in shape with round corners. It is approximately 138 mm in size and has a height of approximately 45 mm

Technical specification

The following details are a representative extract of the technical specification for the OmniShield Smoke, Model CFS10AU, 3 Vdc battery powered, silencing/hush facility, interconnectable, supplemental heat sensor, 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.

Operating voltage:	3 Vdc
Standby current:	less than 10uA
Alarm current:	120 mA (max.)
Battery type:	Non-replaceable Lithium Manganese
Smoke sensor:	Photoelectric (Type A)
Sensitivity:	2.1 ± 1.1% Obscuration
Operating ambient temperature:	5°C - 45°C (41°F - 113°F)
Operating humidity:	0 - 95% Non-condensing
Alarm dimensions:	13 cm x 13 cm x 5.4 cm (5.1" x 5.1" x 2.125")
Mounting base dimensions:	12.7 cm x 12.7 cm (5.0" x 5.0")
Weight:	0.4kg (0.9 lbs)
Heat Sensing	
Fixed temperature:	135°F (57°C)
Rate of Rise:	11°C / minute, > 38°C (20°F / minute, > 100°F)

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	XF3140/R2	Evaluation for Conformity of the ☞ SMOKE Model CFS01AU-AC and CFS01AU Photoelectric Smoke Alarms to the requirements of AS 3786:2014 +A1:2015	23-Apr-2018	CSIRO, Fire Systems Laboratory, AU
Report	XF3140/R1	Evaluation for Conformity of the Crossfire Model CFS10AU-AC and CFS10AU Photoelectric Smoke Alarms to the requirements of AS 3786-2014 +A1:2015		
Document ident.	90-4071-00 REV 4.17.18	☞ Smoke Sensor Owner's Manual Model CFS10AU/CFS10AU-AC (Smoke Manual, OmniShield, AU 04-17-18.pdf)	17-Apr-2018	Exigent Sensors LLC, CA, US