CSIRO Verification Services
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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until
afp - 3808	25-May-2023	1	26-May-2023	30-Apr-2024

Product designation

Cavius, Model 2107-001, 10 year lithium battery powered, silencing/hush feature, wireless interconnectable, recess mount, photoelectric smoke alarm

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

Agent/distributor

Cavius Australia Pty Ltd
Unit 14, 30 Octal St, YATALA, QLD, AUSTRALIA, 4207

Registrant

Carrier Fire & Security Danmark A/S
Ellekær 9A, 2 sal, Hel, DENMARK, 2730

Producer

Carrier Fire & Security Danmark A/S
Ellekær 9A, 2 sal, Hel, DENMARK, 2730

Conformance criteria and evaluation

The Cavius, Model 2107-001, 10 year lithium battery powered, silencing/hush feature, wireless interconnectable, recess mount, 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, '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

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The validity and authenticity of this certificate can be verified by the certification register located at https://activfire.csiro.au

Schedule to
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Producer's description

The Cavius, Model 2107-001, 10 year lithium battery powered, silencing/hush feature, wireless interconnectable, recess mount, photoelectric smoke alarm is low profile, circular styled and 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.

A 'silence button' feature is also incorporated with the 'test' button. Pressing the 'silence button' can temporarily quiet an unwanted alarm for up to 10 minutes.

Pressing the silence button can temporarily quiet an unwanted alarm for up to 10 minutes.

A wireless interconnection communications interface is fitted.

The Cavius, Model 2107-001, 10 year lithium battery powered, silencing/hush feature, wireless interconnectable, recess mount, photoelectric smoke alarm is circular in shape. It is approximately 78mm diameter with a height of 43mm

Technical specification

The following details are a representative extract of the technical specification for the Cavius, Model 2107-001, 10 year lithium battery powered, silencing/hush feature, wireless interconnectable, recess mount, 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				
Model	**Product Code**	**Part Code**	**Description**	**Recess mount**
2107-001	2107CAV10WF	2107-002	Single Pack (1 × Model 2107-001 unit)	Part Code 11014
	10022 CAV10WFIP	10022	Installer Pack (8 × Model 2107-001 unit)	N/A

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)	
Electrical:	3 Vdc (CR123A Lithium battery, non-replaceable)	
Alarm volume:	85 dB(A) at 3 meters	
Sound pattern:	ISO 8201	
Silence time:	approx. 10 minutes	
Temperature:	+5 0C° TO + 45 °C	
Humidity:	90% RH non condensing.	
Interconnection:	Num. of devices	Up to 100 devices
	RF	926.365 MHz
Dimensions:	Height	78 mm
	Diameter	43 mm

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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	CSBA0046/R1	Product Consistency Testing of the Cavius Models 2008, 2107 and 2203 Photoelectric Smoke Alarms to the selected requirements of AS 3786:2014 +A1:2015 +A2:2018	22-May-2023	CSIRO, Fire Systems Laboratory, AU
	XF3420/R1	Evaluation for Conformity of the Cavius® Model 2107-001 Photoelectric Smoke Alarm to the requirements of AS 3786-2014 +A1:2015 +A2:2018	5-Aug-2020	
	XF3317/R1	Evaluation for Conformity of the Cavius® Model 2107-001 Photoelectric Smoke Alarm to the requirements of AS 3786-2014 +A1:2015 +A2:2018	7-Aug-2019	
User Guide	127483 rev1	CAVIUS User Guide CAVIUS Photoelectric Smoke Alarm Part Code: 2107-002/10022/10026 Model: 2107-001 Recess Kit Part Code: 11014 (127483 2107_WFSSmoke_User_10072019.pdf)	26-Jul-2019	Cavius Aps, DK