



Certificate of Conformity

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afp - 3282	24-May-2018	Number 14	Issue date 9-Apr-2024	30-Apr-2025

Product designation

Cavius, Model 2203-002 (Product codes 2203 CAVMP, 10029CAVMP, 2901 CAVMPRK), 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

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 2203-002 (Product codes 2203 CAVMP, 10029CAVMP, 2901 CAVMPRK), 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).
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



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Producer's description

The Cavius, Model 2203-002 (Product codes 2203 CAVMP, 10029CAVMPPIP, 2901 CAVMPRK), 240 Vac powered with 3 Vdc battery back-up, hush/silencing facility, interconnectable, 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. It also incorporates a 'silence button' feature with the 'test' button for its operation. Pressing the silence button can temporarily quiet an unwanted alarm for up to 10 minutes.

The Cavius, Model 2203-002 (Product codes 2203 CAVMP, 10029CAVMPPIP, 2901 CAVMPRK) photoelectric smoke alarm is fitted with a wireless interconnection communications interface.

The Cavius, Model 2203-002 (Product code 2901 CAVMPRK) comes with an after-market recess base kit (2901 RK) to sit in ceilings with a low profile.

Technical specification

The following details are a representative extract of the technical specification for the Cavius, Model 2203-002 (Product codes 2203 CAVMP, 10029CAVMPPIP, 2901 CAVMPRK), 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			
Model	Product Code	Description	Optional base
2203-002	2203 CAVMP	Single Pack (1 x Model 2203-002 unit)	after-market recess base kit (2901 RK)
	100290CAVMPPIP	Installer Pack (4 x Model 2203-002 units)	after-market recess base kit (2901 RK)
	2901 CAVMPRK	Single Pack (1 x Model 2203-002 unit) with an after-market recess base kit (2901 RK)	N/A

Schedule of properties/characteristics

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

Sensor type	Photoelectric (Type A)
Input voltage	85 Vac to 265 Vac
Output voltage	3.6 Vdc
Backup battery	3 Vdc Lithium CR 2, user-replaceable Duracell CR2 Panasonic CR2
Wireless interconnect	
Num. of devices	Up to 32 devices
RF signal	926 MHz
Specified smoke alarm life cycle	10 years
Alarm signal	85 dB @ 3 m
Aural signal pattern	ISO 8201
Environmental	
Operating temperature	4° to 38° C
Dimensions	
Height, with mounting base	52 mm
Diameter	97 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	XF3585/R1	Evaluation for Conformity of the Cavius Model 2203-002 Photoelectric Smoke Alarm, combined with Cavius Recess Base to the requirements of AS 3786:2014 +A1:2015 +A2:2018	30-Mar-2023	CSIRO, Fire Systems Laboratory, AU
	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	
	XF3429/R1	Evaluation for Conformity of the Cavius Model 2203-002 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	28-Sep-2020	
	XF3411/R2	Evaluation for Conformity of the Cavius Model 2203-002 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	8-Jul-2020	
	XF3051/R2	Evaluation for Conformity of the Cavius® Model 2203-002 Photoelectric Smoke Alarm to the requirements of AS 3786-2014 +A1:2015	30-May-2018	
User Guide	127126 rev1	User Guide Cavius™ Mains powered smoke alarm device Model number: 2203-002 (127126 2203-002 Mains power AS Instr Manual ENG rev1.pdf)	24-Jun-2020	Cavius Aps, DK
	127126 rev5	User Guide Cavius™ MAINS POWERED SMOKE ALARM Part Code: 2901 CAVMPRK Model number: 2203-002 (2901 CAVMPRK User Guide.pdf)	2-Mar-2023	