



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3639	14-Oct-2021	Number 3	Issue date 24-Mar-2023	30-Apr-2024

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Product designation

Red Smoke Alarms, R10RF series, 10 year sealed (non-replaceable) lithium battery powered, test/hush feature, wireless interconnectable, photoelectric smoke alarm

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

Agent/distributor

Red Smoke Alarms
35 Hi-Tech Drive, KUNDA PARK, QLD, AUSTRALIA, 4556

Registrant

Red Smoke Alarms IP Pty Ltd
Level 34, 32 Turbot Street, BRISBANE CITY, QLD, AUSTRALIA, 4000

Conformance criteria and evaluation

The Red Smoke Alarms, R10RF series, 10 year sealed (non-replaceable) lithium battery powered, test/hush feature, 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) / 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



Schedule to Certificate of Conformity

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Technical specification

The following details are a representative extract of the technical specification for the Red Smoke Alarms, R10RF series, 10 year sealed (non-replaceable) lithium battery powered, test/hush feature, 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 variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant			Interconnection
Type	Ident.	Assembly description	
Model	R10RF	Smoke alarm unit (white)	Wireless interconnection included with smoke alarm unit
	R10RFB	Smoke alarm unit (black)	

Schedule of properties/characteristics

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

Sensing type:	Type A Photoelectric (contains no radioactive material)
Main power source:	Lithium 10 Year 3V Sealed-Battery
Sensitivity to smoke:	0.08-0.2db/m
Operation current:	<20mA operation (In Alarm)
Temperature range:	0 °C to 45 °C
Humidity range:	0% to 95% RH
Interconnecting:	40 alarms for wireless interconnection
RF range:	100 m free air, 30 m indoors (line of sight)
Pairing duration:	2 min (recount after each success pairing)
Alarm sound level:	85 dB at three metres minimum
Alarm condition:	Audible signal pattern (ISO 8201)
Visible indicators:	Red LED for warning and low battery indication

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	CSBA0023/R1	Evaluation for Conformity of Red Smoke Alarms, R Series Photoelectric Smoke Alarms to the requirements of AS 3786:2014 +A1:2015 +A2:2018	30-Sep-2021	CSIRO, Fire Systems Laboratory, AU
Certificate of conformity	UL-AU-200002	UL-AU Certificate Certificate No.: UL-AU-20002 Date of Issue: 2020-05-08 Certificate Holder: Red Smoke Alarms IP Pty Ltd Certified Product Description: Residential Smoke Alarm Model(s): R240RC; R240RCB; R240; R240B; R10RF; R10RFB; R10; R9 (UL Cert_AS3786_R240RC_R240RCB_R240_R240B_R10RF_R10RFB_R10_R9-Approval.pdf)	27-Apr-2022	UL International New Zealand Ltd, NZ
Extract	AUBA.S36341	AUBA.S36341 – AS 3786: Smoke Alarm Devices (ul_w3_AUBA.S36341.AS 3786SmokeAlarmDevices_20230215.pdf)	15-Feb-2023	UL Product IQ™
Doc.ref.	MNPRG86610YRF175A0	Installation Instructions red Smoke Alarms, SMOKE ALARM R10RF Photoelectric Smoke Alarm with 10 Year Lithium Battery & Wireless Connection [4789413049.2A - Model R10RF - ILL 1.pdf]	31-Mar-2020	Red Smoke Alarms, AU