



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3768	15-Feb-2023	Number 1	Issue date 16-Feb-2023	30-Apr-2024

Page 1 of 3

Product designation

Red Smoke Alarms, Model RHA10RF, 10 year lithium battery powered, wireless interconnectable, heat 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
35 Hi-Tech Drive, KUNDA PARK, QLD, AUSTRALIA, 4556

Producer

Garvan Baojie Electronics Limited
Gate of Thermal Power Plant, Chenpi Village, ShuangDong Town, LUODING CITY, GUANGDONG, CHINA, 527200

Conformance criteria and evaluation

The Red Smoke Alarms, Model RHA10RF, 10 year lithium battery powered, wireless interconnectable, heat alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.3:2018, 'Automatic fire detection and alarm systems - Part 3: Heat alarms'.

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

Certificate num.	Registration date	Version	Valid until	
afp - 3768	15-Feb-2023	Number 1	Issue date 16-Feb-2023	30-Apr-2024

Page 2 of 3

Producer's description

The Red Smoke Alarms, Model RHA10RF, 10 year lithium battery powered, wireless interconnectable, heat alarm is 3V DC 10 year self-contained heat alarm intended for use in residential dwellings

An electric buzzer/horn provides an audible alarm signal when the Red Smoke Alarms Model RHA10RF Heat Alarm senses heat which exceeds a pre-determined level. When the heat 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.

The Red Smoke Alarms Model RHA10RF Heat Alarm incorporates a 'hush button' feature. According to the manufacturer's instructions, pressing the hush button reduces the heat sensitivity of the heat alarm. The sensitivity is reduced for approximately 12 minutes, at which time the heat alarm automatically returns to normal operation.

The Red Smoke Alarms Model RHA10RF Heat Alarm can be interconnected with other Red Smoke Alarms alarms using wireless radio frequency communication.

When interconnected, one heat alarm entering the alarm state will result in all interconnected devices operate their piezo sounders. The manufacturer recommends the maximum number of wired or wireless interconnected alarms be limited to 40.

The Red Smoke Alarms Model RHA10RF Heat Alarm is approximately 82 mm diameter with a height of approximately 45 mm.

Technical specification

The following details are a representative extract of the technical specification for the Red Smoke Alarms, Model RHA10RF, 10 year lithium battery powered, wireless interconnectable, heat 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.

Supply:	3 V DC sealed battery
Battery Type:	Lithium battery
Battery Life:	10 Year
Operating Current:	<100 mA at 3 V
Standby Power:	<0.04 mW
Detection Type:	Thermistor – Activates at 58 °C – 62 °C
Function Available:	Hush function Self-test of fire detection Local alarm
Control Type:	Button for test / hush function
Transmission Frequency:	433.92 MHz
Number of Devices:	Up to 20 pieces
Operating Distances:	30 m indoor use line of sight 100 m in free field
Pairing Delay Range:	2 min maximum
Response Time:	Approx 8 s
Noise Level:	85 dB at 3 m minimum
Time Delay Range:	10 min for hush 10 hr for do not disturb
Local Signal:	Sound: Alarm Sound: Signal Visual: 1 LED (red for warning and low battery)
Type of Installation:	Indoor
Size:	Ø83 mm × 42 mm (h)
Ambient Air Temperature for Operation:	0 – 45 °C
Relative Humidity:	5 – 95%

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3768	15-Feb-2023	Number 1	Issue date 16-Feb-2023	30-Apr-2024

Page 3 of 3

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	XF3484/R3	Evaluation for Conformity of the Red Smoke Alarms Model RHA10RF Heat Alarm to the requirements of AS 1603.3:2018 'Heat Alarms'	3-Nov-2022	CSIRO, Fire Systems Laboratory, AU
Data sheet	MHA-86610YRF	red SMOKE ALARMS Data Sheet MHA-866/10YRF (Data Sheet - MHA-86610YRF.pdf)	4-Jul-2021	Red Smoke Alarms Pty Ltd, AU