



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3957	23-Jun-2025	Number 1	Issue date 23-Jun-2025	30-Apr-2027

Product designation

FireShield, Model FS610-CAR, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, extended temperature range, photoelectric smoke alarm.

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

Agent/distributor

Altamonte Pty Ltd
138 – 140 Bayfield Rd East, BAYSWATER NORTH, VIC, AUSTRALIA, 3153

Registrant

Anka Sci-tech Co., Limited
602, Floor 6, Building 15, Longbi Industrial area, No. 27, Dafa Road, Bantian Street, LONGGANG DISTRICT, SHENZHEN, GUANGDONG, CHINA, 518129

Producer

Anka Sci-tech Co., Limited
602, Floor 6, Building 15, Longbi Industrial area, No. 27, Dafa Road, Bantian Street, LONGGANG DISTRICT, SHENZHEN, GUANGDONG, CHINA, 518129

Conformance criteria and evaluation

The FireShield, Model FS610-CAR, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, extended temperature range, photoelectric smoke alarm. has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786:2023, 'Smoke alarms using scattered light, transmitted light or ionization (ISO 12239:2021, MOD)'.

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

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The FireShield, Model FS610-CAR, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, extended temperature range, photoelectric smoke alarm. are a low profile, circular styled, 3 Vdc self-contained smoke alarm.

This equipment senses smoke using photoelectric principle. An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a predetermined level. When the smoke 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.

A 'silence button' feature is also incorporated. Pressing the hush button silences the smoke alarm. The smoke alarm will be silent for approximately 10 minutes, at which time the smoke alarm automatically returns to normal operation.

The smoke alarm is provided with an extended temperature range of -10 °C to 65 °C.

Technical specification

The following details are a representative extract of the technical specification for the FireShield, Model FS610-CAR, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, extended temperature range, 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		Description
Type	Ident.	
Model	FS610-CAR	10 years sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless interconnectable, extended temperature range, photoelectric smoke alarms with varying top outer covers.

Schedule of properties/characteristics

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

Smoke sensing type:	Type A photoelectric
Main power source:	Built-in 3 Vdc lithium battery (no replaceable and not rechargeable)
Battery list:	Huiderui CR123A
Software version:	V1.0
Interconnectivity:	Not available
Operating temperature range:	-10 °C to 65 °C (Extended temperature range)
Operating humidity range:	0% to 93% RH
Alarm sound level:	85 dB at 3 metres minimum
Alarm condition:	Audible signal pattern (ISO 7731)
Silencing function:	Yes
Dimensions:	Ø110 mm × 42 mm (h)
Fixing method:	Screw fixing
Mounting method:	Wall and ceiling

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	CSBA0217/R3	Evaluation for Conformity of the FirePro Model FP610-CAR and FireShield Model FS610-CAR Photoelectric Smoke Alarms to the requirements of AS 3786:2023	20-Jun-2025	CSIRO, Fire Systems Laboratory, AU
Document	FS610-CAR instruction manual 2.0.pdf	Photoelectric smoke Alarm User Guide Model: FS610-CAR (FS610-CAR instruction manual 2.0.pdf)	13-Jun-2025	FireShield, AU