



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3842	10-Oct-2023	Number 5	Issue date 26-Mar-2026	30-Apr-2027

Page 1 of 3

Product designation

THRIFTEE, Model SA24094T, 240 Vac powered with 9 Vdc battery backup, interconnectable, silencing/hush facility, photoelectric smoke alarm

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

Agent/distributor

GSM Electrical (Australia) Pty Ltd
Level 2, 142-144 Fullarton Rd, ROSE PARK, AUSTRALIA, 5067

Registrant

Guangdong Isafenest Co.,Ltd.
Room 402, Building 7, Tianfulai II, No. 37 Changbao West Road, Ronggui, Shunde, FOSHAN CITY, GUANGDONG, CHINA, 528300

Producer

Guangdong Isafenest Co.,Ltd.
Room 402, Building 7, Tianfulai II, No. 37 Changbao West Road, Ronggui, Shunde, FOSHAN CITY, GUANGDONG, CHINA, 528300

Conformance criteria and evaluation

The THRIFTEE, Model SA24094T, 240 Vac powered with 9 Vdc battery backup, interconnectable, silencing/hush facility, 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).

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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Page 2 of 3

Producer's description

The THRIFTEE, Model SA24094T, 240 Vac powered with 9 Vdc battery backup, interconnectable, silencing/hush facility, photoelectric smoke alarm is an externally energized photoelectric smoke alarm. The smoke alarm primary power supply is an external 240 Vac supply. The smoke alarm includes a standby power supply from a non-rechargeable 9 Vdc battery.

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.

The THRIFTEE, Model SA24094T, 240 Vac powered with 9 Vdc battery backup, interconnectable, silencing/hush facility, photoelectric smoke alarm also incorporates a 'hush button' feature with an independent button for its operation. According to the manufacturer's instructions, pressing the hush button reduces the smoke sensitivity of the smoke alarm. The sensitivity is reduced for approximately 8 minutes, at which time the smoke alarm automatically returns to normal operation. The maximum number of interconnected alarms is 24.

The THRIFTEE, Model SA24094T, 240 Vac powered with 9 Vdc battery backup, interconnectable, silencing/hush facility, photoelectric smoke alarm is circular in shape. It is approximately 120 mm in diameter with a height of 45 mm. It clips into a circular mounting base with two holes for screws.

Technical specification

The following details are a representative extract of the technical specification for the THRIFTEE, Model SA24094T, 240 Vac powered with 9 Vdc battery backup, interconnectable, silencing/hush facility, 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 num.	SA24094T	240 Vac with 9 Vdc battery backup Type A photoelectric smoke alarm.

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 photoelectrical
Main power source:	240 V mains
Standby power:	9V battery (replaceable and not rechargeable)
Battery list:	Energizer 522, Duracell MN 1604 or MX1604, Gold Peak 1604E, RayMax 6LR61
Interconnectivity:	Wired (up to 24 devices)
Operating temperature range:	0 °C to 40 °C
Operating humidity range:	0% to 93% RH
Alarm sound level:	85 dB at 3 metres minimum
Alarm condition:	Audible signal pattern (ISO 8201)
Silencing function:	Yes
Dimensions:	Ø120 mm × 45 mm (h)
Fixing method:	Screw fixing
Mounting method:	Wall or ceiling

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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	XF3628/R2	Evaluation for Conformity of the Thriftee Model SA24094T Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	17-Oct-2023	CSIRO, Fire Systems Laboratory, AU
Doc ref.	SA24094T Installation Instruction _pths.pdf	THRIFTEE® Installation and User Manual SA24094T Photoelectric Smoke Alarm (SA24094T Installation Instruction_pths.pdf)	12-Sep-2023	GSM Electrical (Australia) Pty Ltd, SA, AU