



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3130	1-May-2017	Number 9	Issue date 12-Mar-2025	30-Apr-2026

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Product designation

Securiton, Model ASD 531, aspirating smoke detector

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

Agent/distributor

Incite Fire

Block Y, Unit 1, Regents Park Estate, 391 Park Road, REGENTS PARK, NSW, AUSTRALIA, 2143

Registrant

Securiton AG

Alpenstrasse 20, ZOLLIKOFEN, SWITZERLAND, CH-3052

Producer

Securiton AG

Alpenstrasse 20, ZOLLIKOFEN, SWITZERLAND, CH-3052

Conformance criteria and evaluation

The Securiton, Model ASD 531, aspirating smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.20-2012, 'Fire detection and alarm systems - Part 20: Aspirating smoke detectors'.

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.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of this equipment with new or existing control and indicating equipment should be verified prior to installation.

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



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Producer's description

The Securiton, Model ASD 531, aspirating smoke detector have the task of continuously taking air samples via a sampling pipe tube network from a monitored area and feeding the samples to a smoke sensor.

The Securiton, Model ASD 531, aspirating smoke detector consists of the detection housing and sampling pipe tube network. The sampling pipe have several sampling holes whose size is such that each hole extracts the same amount of air. The sampling pipe may be I-, U-, T-, H-, or E- shaped.

The SSD 31 smoke sensor is used in the Securiton ASD 531. It has an alarm sensitivity range of 0.02%/m to 10%/m.

The following modules can be added into the Securiton ASD 531:

- XLM 35 Extended Line Module.
- RIM 36 Relay Interface Module with 5 relays.

The Securiton, Model ASD 531, aspirating smoke detector covers an area of up to 720 square meters.

Technical specification

The following details are a representative extract of the technical specification for the Securiton, Model ASD 531, aspirating smoke detector 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	Software version
Type	Ident.		
Model num.	ASD 531	Aspirating smoke detector including 1 integrated SSD 531 smoke sensor, without smoke level indicator	V01.04.06

Schedule of properties/characteristics

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

General	Parameter	ASD531
Area Coverage	m ²	Up to 720
Intake pipe-Ø, typical (inside / outside)	mm	Ø 20 / 25
IP Rating	IP54	✓
Electrical		
Supply Voltage	14V – 30 VDC	✓
Current Consumption @24Vdc		
Quiescent / fault	mA	75
Alarm	mA	80
Environmental condition		
Temperature range detector box	°C	-10°C - +55°C
Temperature range intake pipe	°C	-10°C - +55°C
Max. temperature range operational detector box and intake pipe	°C	20°C
Max. storage temperature detector box (without condensation)	°C	-20°C - +70°C
Ambient pressure difference detector box to intake pipe (intake holes)		must be identical
Ambient conditions humidity detector box (temporarily without condensation)	% rel/h	95
Ambient conditions humidity (constantly)	% rel/h	70
Mechanical		
Dimensions (W×H×D)	(195 × 333 × 140) mm	✓
Weight	g	1,950

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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 Number	CSBA0052/R1	Evaluation for conformity of the ASD 53x series of Aspirating Smoke Detectors to the requirements of AS 7240.20-2012	27-July-2023	CSIRO, Fire Systems Laboratory, AU
	XF3069/R1	Evaluation for conformity of the Securiton ASD531 and ASD532, Aspirating Smoke Detector to the requirements of AS 7240.20-2012	15-Mar-2017	
Datasheet	T 140 417 d en / 60000012	Securiton Data sheet ASD 531 Aspirating smoke detector (ASD531_DS_T140417en_d.pdf)	23-Jan-2023	Securiton AG, CH
Manual	T 140 416 d en	Securiton ASD 531 Aspirating Smoke Detector Technical description As of firmware version 01.04.xx (ASD531_TD_T140416en_d.pdf)	23-Jan-2023	