



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3328	27-Feb-2019	Number 7	Issue date 12-Mar-2025	30-Apr-2026

Page 1 of 3

Product designation

SecuriHeat, ADW 535 Series, line-type heat detectors

(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 SecuriHeat, ADW 535 Series, line-type heat detectors has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. European Standard EN 54-22:2015+A1:2020, 'Fire detection and fire alarm systems - Part 22: Resettable line-type heat 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 fire detector 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



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3328	27-Feb-2019	Number 7	Issue date 12-Mar-2025	30-Apr-2026

Producer's description

The SecuriHeat, ADW 535 Series, line-type heat detectors combine a proven functional principle with sensor and processor technology. A sensing tube filled with normal air is installed in the area to be monitored. A fully electronic pressure sensor permanently records the pressure in the sensing tube. This is monitored constantly in the processing electronics and compared with the alarm criteria. Diverse setting options are offered directly on the device via EasyConfig or using the ADW Config tool for adaptation to existing environmental conditions. The Dynamic Heat Watch (DHW) technology ensures that a brief temperature increase caused by the ambient conditions does not result in a false alarm.

Technical specification

The following details are a representative extract of the technical specification for the SecuriHeat, ADW 535 Series, line-type heat detectors 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.

Type	Variant	
	Ident.	Description
Model	ADW 535-1	Line-type heat detector for 1 sensing tube
	ADW 535-2	Line-type heat detector for 2 sensing tubes
	ADW 535-1HDx	Line-type heat detector for 1 sensing tube for applications in difficult ambient conditions and Ex areas
	ADW 535-2HDx	Line-type heat detector for 2 sensing tubes for applications in difficult ambient conditions and Ex areas

Schedule of properties/characteristics

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

Property/characteristic	ADW 535-1 / 535-1HDx	ADW 535-2 / 535-2HDx
Supply voltage range	9.0 – 30 Vdc	
Power consumption (at typical 24 Vdc)		
Quiescent / fault	35 mA	43 mA
Alarm I	42 mA	57 mA
Check	210 mA	230 mA
Heated below – 20 °C	275 mA	290 mA
Number of sensing tubes	1	2
Max sensing tube length		
TU 5/4 Cu (Copper)	140 m (Classes A1I, A2I, BI, EI, FI, GI)	
TU 5/4 St (Stainless steel)	140 m (Classes A1I, A2I, BI, EI, FI, GI)	
TU 6/4 PTFE	125 m (A1I, A2I, BI)	
TU 6/4 PTFE/Ex	125 m (A1I, A2I, BI)	
Sensing tube diameter		
Copper / steel (outer / inner)	Ø 5 / 4 mm	
PTFE	Ø 6 / 4 mm	
Sensing tube monitoring	Automatic self-test monitors sensing tube for leaks, pipe breakage and crushing	
Interfaces		
Relay/o. C.	2 (Alarm, Fault)	4 (Alarm I & II/Fault I & II)
Network/PC tool	Ethernet	
Inputs	Reset, day/night, reference	
Max loading capacity, Relay contacts	50 VDC/1 A / 30 W	
Optional modules, max. 4	1 or 2 RIM 36, 1 SIM 35, 1 XLM 35	
Ambient conditions in accordance with IEC 60529-3-3 / EN 60721-3-3 (1995)	3K5 / 3Z1 class	
Environmental group acc. EN 54 -22	III group	
Extended ambient conditions		
Temperature range evaluation unit	–30 °C – +70 °C	
Sensing tube temperature range	–40 °C – +300 °C (Teflon = –40 C - +85 °C)	
Max permissible storage temperature for evaluation unit (without condensation)	–30 °C – +70 °C	
Humidity ambient condition of evaluation unit (continuous, IP65)	95 % RH	
Humidity ambient condition of sensing tube (continuous)	70 % RH	
Housing		
Dimensions (ADW 535-1 / -2)	250 × 212 × 134 mm (W × H × D)	
Colour	Grey 280 70 05 / anthracite violet 300 20 05	
Weight (ADW 535-1 / -2)	1,500 g	1,970 g

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3328	27-Feb-2019	Number 7	Issue date 12-Mar-2025	30-Apr-2026

Property/characteristic	ADW 535-1 / 535-1HDx	ADW 535-2 / 535-2HDx
Material	ABS-Blend, UL 94-V0	
Protection class IEC 60529 / EN 60529 (1991)	IP 65	

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.			
Doc. ident.	T 140 359 f en / 60000115	SECURITON Data sheet ADW 535 Line type heat detector (ADW535_DS_T140359en_f.pdf)	06-Dec-2022	Securiton AG, SWITZERLAND
	T 140 358 f en	SECURITON ADW 535 Line type heat detector Technical description As of FW version 01.04.xx	06-Dec-2022	Securiton AG, SWITZERLAND
Approval No.	G 214076	Approval of Components and Systems Subject of the Approval Resettable line-type heat detector ADW 535, ADW 535-HDx Use in automatic fire detection and fire alarm systems Basis of the Approval VdS 2344:2014-07 VdS 2503:1996-12 EN 54-17:2005 + AC:2007 EN 54-22:2015 + A1:2020	29-Mar-2023	VdS Schadenverhütung GmbH, KÖLN, DE
Report No.	220012-AU01+SPB03-PB01	VdS Laboratory for Fire Detection Systems (BMT) Test Report No. 220012-AU01+SPB03-PB01 On the testing of Resettable line-type heat detectors types ADW 535, ADW 535-HDx Submitted by Securiton AG.	28-Mar-2023	VdS Schadenverhütung GmbH, KÖLN, DE
	22012-AU01+SW01-PB01	VdS Test Services Software Test Report No. 22012-AU01+SW01-PB01 Testing of software documentation Resettable Line-Type Heat Detector types ADW 535, ADW 535-HDx Submitted by Securiton AG.	22-Feb-2023	VdS Schadenverhütung GmbH, KÖLN, DE
	220012-AU01+UCE01-PB01	VdS Test Services Environmental and EMC (UCE) Test Report No. 220012-AU01+UCE01-PB01 Testing of electromagnetic compatibility, interference immunity Resettable Line-Type Heat Detector types ADW 535-2 Submitted by Securiton AG.	30-Nov-2022	VdS Schadenverhütung GmbH, KÖLN, DE