



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3891	5-Apr-2024	Number 1	Issue date 23-Apr-2024	30-Apr-2025

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Product designation

SecuriHeat, Model d-LIST, resettable, Class A1N, A2N, BN, CN, A1I, A2I, BI and CI, line type heat 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

Listec GmbH
Am Sandberg 34, Isen, Bayern, GERMANY, 84424

Conformance criteria and evaluation

The SecuriHeat, Model d-LIST, resettable, Class A1N, A2N, BN, CN, A1I, A2I, BI and CI, line type heat detector 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

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Producer's description

The SecuriHeat, Model d-LIST, resettable, Class A1N, A2N, BN, CN, A1I, A2I, BI and CI, line type heat detector The SecuriHeat Model d-LIST Linear Heat Detector is a line type heat detector with the SEC 15 sensor cable is ideal for monitoring small areas. Two sensor cables, each up to 350 meters in length, can be connected to an SCU 835 sensor control unit and put into operation. Featuring up to two times 100 sensors, the system can be integrated into a wide range of fire detection and alarm systems.

Technical specification

The following details are a representative extract of the technical specification for the SecuriHeat, Model d-LIST, resettable, Class A1N, A2N, BN, CN, A1I, A2I, BI and CI, line type heat 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
Type	Ident.	
Model	d-List	Resettable, Class A1N, A2N, BN, CN, A1I, A2I, BI and CI, line type heat detector with SEC 15 sensor cable and SCU 835 cable terminal processor.

Schedule of properties/characteristics

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

SEC 15 sensor cable	
Class	A1N, A2N, BN, CN, A1I, A2I, BI and CI
Standard sensor interval	1 m, 2 m, 3 m, 4 m, 5 m
Maximum cable length	2 × 350 m (incl. CC 15 connection cable)
Maximum number of sensors	2 × 100
Measurement range	-40 °C to 120 °C
Operating temperature (continuous)	-40 °C to 85 °C
Operating temperature (brief)	120 °C
Resolution	0.1 °C
Cable sheathing material	Halogen-free, flame-retardant (in accordance with EN 60332-1-2, EN 60332-2-2, IEC 60754-1)
Diameter	Approx. 15 mm
Min bending radius	0.25 m
Laying temperature	>10 °C
SCU 835 cable terminal processor	
Supply voltage	9.5 – 36 Vdc
Power consumption	Max 5 W (normal operation)
Relay	1 × group alarm, 1 × pre-signal, 1 × frost alarm, 1 × group fault
Relay contact load	48 Vdc / 32 Vac / 250 mA max.
Dimensions	482.6 × 46.6 × 315. 5 mm (W × H × D)
Weight	2.6 kg
Housing material	Aluminium
Operating temperature (continuous)	-5 °C to 70 °C
Reset input	5 – 36 Vdc, galvanically isolated
Interfaces	COM1: RS-485 for LIST network, COM2: RS-232 LAN: Ethernet 100 MB/s for LIST network and maintenance USB: Storage of maintenance, event and configuration data
Protocols	Modbus RTU via COM2, Modbus TCP via LAN, IEC 60870-5-104 via LAN
Indicators	LEDs for operation, alarm, fault measurement cycle and data transmission; LC display for messages and menu driven operation.

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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.			
Doc. ident.	820946 04.22	SECURITON For your safety Line type heat detectors for tunnels and industry SecuriHear d-LIST and LIST (BRO_d-LIST-LIST_en.pdf)	01-Apr-2022	Securiton AG, SWITZERLAND
Approval No.	G 221004	Approval of Components and Systems Subject of the Approval Resettable line-type heat detector d-List Use in automatic fire detection and fire alarm systems Basis of the Approval VdS 2344:2014-07 VdS 2543:2021-03 EN 54-22:2015 + A1:2020	03-Jun-2022	VdS Schadenverhütung GmbH, KÖLN, DE
Report No.	CSBA0057/R1	Verification of conformity of the SecuriHeat Models d-LIST, Resettable, Class A1N, A2N, BN, CN, A1I, A2I, BI and CI, line-type heat detector to the requirements of EN 54-22:2015 +A1:2020	22-Apr-2024	CSIRO Fire Systems Laboratory, AU
	210880-AU01+SPB03-PB01	VdS Laboratory for Fire Detection Systems (BMT) Test Report No. 210880-AU01+SPB03-PB01 On the testing of Resettable line-type heat detectors type d-LIST Submitted by LISTEC GmbH	18-May-2022	VdS Schadenverhütung GmbH, KÖLN, DE
	180004-AU01+SPB03-PB01	VdS Laboratory for Fire Detection Systems (BMT) Test Report No. 180004-AU01+SPB03-PB01 On the testing of Resettable line-type heat detectors type d-LIST Submitted by LISTEC GmbH	24-Feb-2021	
	210880-AU01+SW01-PB01	VdS Test Services Software Test Report No. 210880-AU01+SW01-PB01 Testing of software documentation Resettable line-type heat detectors type d-LIST Applicant LISTEC GmbH	28-Sep-2021	
	180004-AU01+SW01-PB01	VdS Test Services Software Test Report No. 180004-AU01+SW01-PB01 Testing of software documentation Resettable line-type heat detectors type d-LIST Applicant LISTEC GmbH	1-Jul-2020	
	180004-AU-01+UCE01-PB02	VdS Test Services Environmental and EMC (UCE) Test Report No. 180004-AU-01+UCE01-PB02 Testing of electromagnetic compatibility, interference immunity Resettable line-type heat detectors type d-LIST Applicant LISTEC GmbH	25-Nov-2020	