

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-00210

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s): SD119 Range of Conventional Smoke and Smoke/Heat Detectors
(refer to attached appendix for details and conditions)

Placed on the market
under the name or trade mark of: Ningbo Sentek Electronics Co. Limited
448 Yingchun Road, Wangchun Industrial Park
Ningbo City, 315175
P. R. China

and produced in the
manufacturing plant(s): Ningbo Sentek Electronics Co. Limited (SG- 16197)
448 Yingchun Road, Wangchun Industrial Park
Ningbo City, 315175
P. R. China

Intended use: Fire Safety

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 54-5:2000+A1:2002
EN 54-7:2000+A1:2002+A2:2006

Under System 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

This certificate was first issued under **0359-CPR-00210** on **2013-12-02** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Notified Body
0905

Certification Manager:

Dipl.-Ing. Bernhard Miedtank

Date Issue: 2020-12-09

Issue: 1

Signature:



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APPENDIX TO: Certificate of Constancy of Performance 0905-CPR-00210

The details and conditions of use for the SD119 Range of Conventional Smoke and Smoke/Heat Detectors , placed on the market under the name or trade mark of:

Ningbo Sentek Electronics Co. Limited
448 Yingchun Road, Wangchun Industrial Park
Ningbo City, 315175
P. R. China

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

Products compliant with EN 54-5:2000+A1:2002

Model	Manufacturing Location	Description
SD119-2H	SG-16197	Conventional 2 Wire Photoelectric Smoke Detector with Class A2 Heat Detector
SD119-2HL	SG-16197	Conventional 2 Wire Photoelectric Smoke Detector with Class A2 Heat Detector and Remote LED Output
SD119-4H(12V)	SG-16197	Conventional 4 Wire Photoelectric Smoke Detector with Class A2 Heat Detector and 12VDC Relay Output
SD119-4H(24V)	SG-16197	Conventional 4 Wire Photoelectric Smoke Detector with Class A2 Heat Detector and 24VDC Relay Output

Products compliant with EN 54-7:2000+A1:2002+A2:2006

Model	Manufacturing Location	Description
SD119-2	SG-16197	Conventional 2 Wire Photoelectric Smoke Detector
SD119-2H	SG-16197	Conventional 2 Wire Photoelectric Smoke Detector with Class A2 Heat Detector
SD119-2L	SG-16197	Conventional 2 Wire Photoelectric Smoke Detector with Remote LED Output
SD119-2HL	SG-16197	Conventional 2 Wire Photoelectric Smoke Detector with Class A2 Heat Detector and Remote LED Output
SD119-4(12V)	SG-16197	Conventional 4 Wire Photoelectric Smoke Detector with 12VDC Relay Output
SD119-4H(12V)	SG-16197	Conventional 4 Wire Photoelectric Smoke Detector with Class A2 Heat Detector and 12VDC Relay Output
SD119-4(24V)	SG-16197	Conventional 4 Wire Photoelectric Smoke Detector with 24VDC Relay Output
SD119-4H(24V)	SG-16197	Conventional 4 Wire Photoelectric Smoke Detector with Class A2 Heat Detector and 24VDC Relay Output

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Bases:

Variant	Description
852001	Base Assembly for use with model SD119-2 and SD119-2H
854001	Base Assembly for use with model SD119-2L, SD119-2HL, SD119-4(12V), SD119-4(24V), SD119-4H(12V) and SD119-4H(24V)

Conditions of use:

Suitable for indoor applications

General Notes:

1. Evaluated under Intertek project number 100909837-
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

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Table of performance for EN54-5:2000+A1:2002 Harmonised technical specification			
Essential characteristics	Performance	Clauses	Notes
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions	Pass	4.2, 4.3, 5.2 to 5.6, 5.8, 6.1, 6.2	a, b
Operational reliability	Pass	4.4 to 4.11	c
Tolerance to supply voltage	Pass	5.7	
Durability of operational reliability and response delay; temperature resistance	Pass	5.9, 5.10	a
Durability of operational reliability; vibration resistance	Pass	5.14 to 5.17	
Durability of operational reliability; humidity resistance	Pass	5.11, 5.12	
Durability of operational reliability; corrosion resistance	Pass	5.13	
Durability of operational reliability; electrical stability	Pass	5.18	
Notes: <i>Applies to Models SD119-2H, SD119-2HL, SD119-4H(12V) and SD119-4H(24V). These Models also have a declared performance relating to EN54-7:2000+A1:2002+A2:2006.</i> a. <i>Clauses 5.5 and 5.10 are not applicable to Class A1 and Class A2 detectors.</i> b. <i>Clauses 6.1 and 6.2 are only applicable to suffix S and suffix R detectors.</i> c. <i>The manufacturer declared that the SD119 range of detectors did not rely on software to fulfill the requirements of the standard; Clause 4.11 has therefore not been assessed.</i>			

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Table of performance for EN54-7:2000+A1:2002+A2:2006 Harmonised technical specification			
Essential characteristics	Performance	Clauses	Notes
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions	Pass	4.8, 5.2, 5.3, 5.4, 5.6, 5.7, 5.18	a
Operational reliability	Pass	4.2 to 4.7, 4.9 to 4.11	a
Tolerance to supply voltage	Pass	5.5	
Durability of operational reliability and response delay; temperature resistance	Pass	5.8, 5.9	
Durability of operational reliability; vibration resistance	Pass	5.13 to 5.16	
Durability of operational reliability; humidity resistance	Pass	5.10, 5.11	
Durability of operational reliability; corrosion resistance	Pass	5.12	
Durability of operational reliability; electrical stability	Pass	5.17	
Notes: <i>Applies to Models SD119-2, SD119-2L, SD119-4(12V), SD119-4(24V), SD119-2H, SD119-2HL, SD119-4H(12V) and SD119-4H(24V). Models SD119-2H, SD119-2HL, SD119-4H(12V) and SD119-4H(24V) also have a declared performance relating to EN54-5:2000+A1:2002.</i> <i>a. The manufacturer declared that the SD119 range of detectors did not rely on software to fulfill the requirements of the standard; Clauses 4.8 and 4.11 have therefore not been assessed.</i>			

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