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Certificate of Constancy of Performance 0359-CPR-00210



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), 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)

Produced by or for: Ningbo Sentek Electronics Co. Limited

448 Yingchun Road, Wangchun Industrial Park, Ningbo City, China 315175

Produced in the Ningbo Sentek Electronics Co. Limited

manufacturing plant(s): 448 Yingchun Road, Wangchun Industrial Park, Ningbo City, China 315175

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):

EN54-5:2000+A1:2002

Fire detection and fire alarm systems - Heat detectors - Point detectors

EN54-7:2000+A1:2002+A2:2006

Fire detection and fire alarm systems - Smoke detectors - Point detectors using scattered light, transmitted light or ionization

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued on **02 December 2013** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Notified Body 0359

Intertek Testing & Certification Limited Cleeve Road, Leatherhead

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Gordon Ash

Certification Manager

> Date

02/12/2013

Issue

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Appendix to Certificate of Constancy of Performance 0359-CPR-00210

The details and condition of use for the SD119 Range of Conventional Smoke and Smoke/Heat Detectors, placed on the market by:

Ningbo Sentek Electronics Co. Limited

48 Yingchun Road, Wangchun Industrial Park, Ningbo City, China 315175

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 EN54-5:2000+A1:2002:

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

Products compliant with EN54-7:2000+A1:2002+A2:2006:

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

Bases:

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

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Appendix to Certificate of Constancy of Performance 0359-CPR-00210 (continued)

Conditions of use:

Suitable for indoor applications

General Notes:

- 1. Tested 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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Appendix to Certificate of Constancy of Performance 0359-CPR-00210 (continued)

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	С			
Tolerance to supply voltage	Pass	5.7				
Durability of operational reliability and response delay; temperature resistance	Pass	5.9, 5.10	а			
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:

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.

- a. Clauses 5.5 and 5.10 are not applicable to Class A1 and Class A2 detectors.
- b. Clauses 6.1 and 6.2 are only applicable to suffix S and suffix R detectors.
- c. 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.

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Appendix to Certificate of Constancy of Performance 0359-CPR-00210 (continued)

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	а				
Operational reliability	Pass	4.2 to 4.7, 4.9 to 4.11	а				
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:

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.

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.

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