

Certificate of Constancy of Performance

This is to certify that:

Ambest Electronics (Ningbo) Co Ltd.
9 Xizhao Road
Innovative Industrial Area
Dong Qian Lake
Ningbo
Zhejiang
315121
China

Holds Certificate Number:

2797 CPR 587624

In respect of:

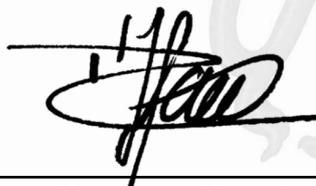
EN 54-5: 2001 + A1: 2002 & EN 54-7: 2001 + A1: 2002 & A2: 2006
Fire detection and fire alarm systems - Heat detectors and Smoke detectors. Combined Point detectors

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 are applied and that the product fulfils (products fulfil) all the prescribed requirements set out above. This certificate remains valid as long as the test methods and/or factory production control requirements included in the harmonised standard(s), used to assess the performance of the declared essential characteristics, do not change and the products(s), and the manufacturing conditions in the plants(s) are not modified significantly.

For and on behalf of BSI, a Notified
Body for the above Regulation
(Notified Body Number 2797):

Previous Notified Body: BSI 0086

First Issued: 2013-06-13



Drs. Dave Hagenaaars, Managing Director

Latest Issue: 2019-03-26

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...making excellence a habit.™

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Product Information

Model Reference	Type
SNC-300-C2	Conventional 2-Wire Photoelectric Smoke and Class A2 Heat Detector
SNC-300-CL	Conventional 2-Wire Photoelectric Smoke and Class A2 Heat Detector with Remote Indicator
SNC-300-CR	Conventional 4-Wire Photoelectric Smoke and Class A2 Heat Detector with Relay Output

Certified for use with the CN3023 and CN3043 conventional detector mounting base.

Model Reference	Type
SNA-360-C2	Addressable Photoelectric Smoke and Class A2 Heat Detector
SNA-360-CL	Addressable Photoelectric Smoke and Class A2 Heat Detector with Remote Indicator

Certified for use with the CN302A and CN304A addressable detector mounting base

Model Reference	Alternative Branded Model	Supplier
SNC-300-CL	D200-HO	Eaton Electrical Systems Limited

First Issued: 2013-06-13

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Appendix 1

Harmonised Technical Specification		EN 54-5:2001 + A1
Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
Classification	Pass	4.2
Position of heat sensitive elements	Pass	4.3
Directional dependence	Pass	5.2
Static response temperature	Pass	5.3
Response times from typical application temperature	Pass	5.4
Response times from high ambient temperature	Pass	5.6
Reproducibility	Pass	5.8
Operational Reliability		
Individual alarm indication	Pass	4.4
Connection of ancillary devices	Pass	4.5
Monitoring of detachable detectors	Pass	4.6
Manufacturer's adjustments	Pass	4.7
On-site adjustment of response behaviour	Pass	4.8
Marking	Pass	4.9
Data	Pass	4.10
Additional requirements for software controlled detectors	Pass	4.11
Tolerance to supply voltage		
Variation in supply parameters	Pass	5.7
Durability of Operational Reliability		
Cold (operational)	Pass	5.9
Damp heat, cyclic (operational)	Pass	5.11
Damp heat, steady state (endurance)	Pass	5.12
Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.13

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Appendix 1 (Continued)

Harmonised Technical Specification		EN 54-5:2001 + A1
Essential Characteristics	Performance	Clause
Durability of Operational Reliability		
Shock (operational)	Pass	5.14
Impact (operational)	Pass	5.15
Vibration, sinusoidal (operational)	Pass	5.16
Vibration, sinusoidal (endurance)	Pass	5.17
Durability of Operational Reliability, Electrical Stability		
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.18

Harmonised Technical Specification		EN 54-7:2001 + A1 & A2
Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
Repeatability	Pass	5.2
Directional dependence	Pass	5.3
Reproducibility	Pass	5.4
Air movement	Pass	5.6
Dazzling	Pass	5.7
Fire sensitivity	Pass	5.18
Operational Reliability		
Individual alarm indicator	Pass	4.2
Connection of ancillary devices	Pass	4.3
Monitoring of detachable detectors	Pass	4.4
Manufacturer's adjustments	Pass	4.5
On-site adjustment of response behaviour	Pass	4.6
Protection against the ingress of foreign bodies	Pass	4.7
Response to slowly developing fires	Pass	4.8

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Appendix 1 (Continued)

Harmonised Technical Specification		EN 54-7:2001 + A1 & A2
Essential Characteristics	Performance	Clause
Operational Reliability		
Marking	Pass	4.9
Data	Pass	4.10
Additional requirements for software controlled detectors	Pass	4.11
Tolerance to supply voltage		
Variation in supply voltage	Pass	5.5
Durability of Operational Reliability		
Dry heat (operational)	Pass	5.8
Cold (operational)	Pass	5.9
Damp heat, steady state (operational)	Pass	5.10
Damp heat, steady state (endurance)	Pass	5.11
Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.12
Shock (operational)	Pass	5.13
Impact (operational)	Pass	5.14
Vibration, sinusoidal (operational)	Pass	5.15
Vibration, sinusoidal (endurance)	Pass	5.16
Durability of Operational Reliability, Electrical Stability		
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.17

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Manufacturing Plant

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9 Xizhao Road
Innovative Industrial Area
Dong Qian Lake
Ningbo
Zhejiang
315121
China

Certified Activities

EN 54-5: 2001 + A1: 2002 & EN 54-7: 2001 + A1: 2002 & A2: 2006
Fire detection and fire alarm systems - Heat detectors and Smoke detectors. Combined Point detectors



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