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 587750

In respect of:

EN 54-5: 2000 + A1
Heat detectors — 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 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below 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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

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

Drs. Dave Hagenaars, Managing Director

Previous Notified Body: BSI 0086

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Latest Issue: 2020-03-23

PRODUCTS
RvA C 646

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Certificate of Constancy of Performance

No. 2797 CPR 587750

Manufacturing Plant

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

Product Information

EN 54-5:2000 + A1:2002 - Fire detection and fire alarm systems. Heat detectors - Point detectors.

Model Reference	Type
HNC-310-H2	Non-addressable 2-Wire Class A2 Heat Detector.
HNC-310-HL	Non-addressable 2-Wire Class A2 Heat Detector with Remote Indicator.

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

406-001	Non-addressable weather-proof 2-Wire Class A2S Heat Detector.

Certified for use with the 485-001 detector mounting base.

Model Reference	Type
HNA-360-H2	Addressable Class A2 Heat Detector.
HNA-360-HL	Addressable 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
HNC-310-HL	D200-H	Eaton Electrical Systems Limited

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Appendix 1

Harmonised Technical Specification		**EN 54-5:2000 + 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 (SO2) corrosion (endurance)	Pass	5.13
Shock (operational)	Pass	5.14

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Appendix 1 (Continued)

Harmonised Technical Specification		**EN 54-5:2000 + A1**
Essential Characteristics	**Performance**	**Clause**
Durability of Operational Reliability		
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

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