

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 633913

In respect of:

EN 54-2 - Control and Indicating Equipment and EN 54-4 - Power Supply Equipment.

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the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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):



Denelise L'Ecluse, Managing Director Assurance - Continental Europe

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Latest Issue: 2023-09-12



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Certificate of Constancy of Performance

No. 2797 CPR 633913

Manufacturing Plant

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

Product Information

EN 54-2:1997/A1:2006 - Fire detection and fire alarm systems. Control and indicating equipment.

EN 54-4:1997/A2:2006 - Fire detection and fire alarm systems. Power supply equipment.

Model Reference	Type
4001-01	Non-addressable CIE, 2-zone, plastic enclosure, white
4001-02	Non-addressable CIE, 4-zone, plastic enclosure, white
4001-03	Non-addressable CIE, 8-zone, plastic enclosure, white
4003-01	Non-addressable CIE, 2-zone, metal enclosure, white
4003-02	Non-addressable CIE, 4-zone, metal enclosure, white
4003-03	Non-addressable CIE, 8-zone, metal enclosure, white
4003-04	Non-addressable CIE, 2-zone, metal enclosure, red
4003-05	Non-addressable CIE, 4-zone, metal enclosure, red
4003-06	Non-addressable CIE, 8-zone, metal enclosure, red

Options with requirements

Certified with the following options with requirements from EN 54 Part 2:1997:

Clause	Description
7.8	Output to fire alarm devices
7.11	Delays to outputs
10	Test condition

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Model Reference	Type
6002-01	Addressable Control and Indicating Equipment, 2-loop
6004-01	Addressable Control and Indicating Equipment, 2-loop
6004-03	Addressable Control and Indicating Equipment, 2-loop

Options with requirements

Certified with the following options with requirements from EN 54 Part 2:1997:

Clause	Description
7.8	Output to fire alarm devices

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Appendix 1

Harmonised Technical Specification		EN 54-2: 1997+A1
Essential Characteristics	Performance	Clause
Performance Under Fire Conditions		
General requirements	Pass	4
General requirements for indications	Pass	5
The fire alarm condition	Pass	7
Response Delay (response time to fire)		
Reception and processing of fire signals	Pass	7.1
Output of the fire alarm condition	Pass	7.7
Delays to outputs	Pass	7.11
Operational Reliability		
General requirements	Pass	4
General requirements for indications	Pass	5
The quiescent condition	Pass	6
The fire alarm condition	Pass	7
Fault warning condition	Pass	8
Disabled condition	Pass	9
Test condition	Pass	10
Design requirements	Pass	12
Additional design requirements for software controlled control and indicating equipment	Pass	13
Marking	Pass	14
Durability of Operational Reliability		
Cold (operational)	Pass	15.4
Damp heat, steady state (operational)	Pass	15.5
Impact (operational)	Pass	15.6
Vibration, sinusoidal (operational)	Pass	15.7
Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	15.8
Supply voltage variations	Pass	15.13
Damp heat, steady state (endurance)	Pass	15.14
Vibration, sinusoidal (endurance)	Pass	15.15

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Appendix 1 (continued)

Harmonised Technical Specification		EN 54-4:1997 & A2
Essential Characteristics	Performance	Clause
Performance of Power Supply		
General requirements	Pass	4
Functions	Pass	5
Materials, design and manufacture	Pass	6
Operational Reliability		
General requirements	Pass	4
Functions	Pass	5
Materials, design and manufacture	Pass	6
Documentation	Pass	7
Marking	Pass	8
Durability of Operational Reliability		
Cold (operational)	Pass	9.5
Damp heat, steady state (operational)	Pass	9.6
Impact (operational)	Pass	9.7
Vibration, sinusoidal (operational)	Pass	9.8
Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	9.9
Damp heat, steady state (endurance)	Pass	9.14
Vibration, sinusoidal (endurance)	Pass	9.15

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