



DECLARATION OF PERFORMANCE

NO.NS500-SD-140306

Ver:A-1

The products listed below are manufactured at the premises of Ningbo Ambest Electronics Co., Ltd.

1. Unique Identification Code Of The Product-type:

Smoke Alarm

Incl. **SND-500-S** Alternative branded model: CHUANGO SMK-500

2. Type, Batch of serial number or any other element allowing identification of the construction product as required under article 11(4) of the CPD:

Each individual product is identified with a label or laser marking containing a production date code with build standard number.

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Fire detection and fire alarm system

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11(5):

Ningbo Ambest Electronics Co., Ltd

**Add: Huangsu West Road, Industrial Zone of Dongqianhu Tourist Resort
District, Ningbo, Zhejiang, 315121, China**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Ningbo Ambest Electronics Co., Ltd

**Add: Huangsu West Road, Industrial Zone of Dongqianhu Tourist Resort
District, Ningbo, Zhejiang, 315121, China**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPD Annex V:

System 1+/1

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

BSI Assurance UK Limited NO.0086 has performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control.

Product-type

Smoke Alarm:

EN Cert.

0086-CPR-587623

Kitemark Cert.

KM587543

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not Applicable



9. Declared Performance

Essential Characteristics	Declared Performance	Harmonized Technical Specification
<p>Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions</p>	<p>Smoke Alarms Meet the Requirements: 4.12 Clause Terminals for External Conductors; 4.18 Clause Inter-connectable Smoke Alarm; 5.2 Clause Directional Dependence; 5.3 Clause Initial Sensitivity 5.4 Clause Reproducibility; 5.5 Clause Air Movement 5.6 Clause Dazzling; 5.15 Clause Fire Sensitivity; 5.17 Clause Sound Output 5.18 Clause Sounder Durability 5.19 Clause Object 5.20 Clause Alarm Silence Facility (Optional)</p>	<p style="writing-mode: vertical-rl; text-orientation: mixed;">EN 14604:2005</p>
<p>Operational reliability</p>	<p>Smoke Alarms Meet the Requirements: 4.1 Clause Compliance 4.2 Clause Individual Alarm Indication 4.3 Clause Mains-on Indicator 4.4 Clause Alarm Indicator 4.5 Clause Connection of External Ancillary Devices 4.6 Clause Means of Calibration 4.7 Clause User replaceable Components 4.8 Clause Normal Power Source 4.9 Clause Standby Power Source 4.10 Clause Electrical Safety Requirements 4.11 Clause Routine Test Facility 4.13 Clause Smoke Alarm Signals 4.14 Clause Battery Removal Indication 4.15 Clause Battery Connections 4.16 Clause Protection Against the Ingress of Foreign Bodies 4.17 Clause Additional Requirements For Software Controlled Detectors 4.19 Clause Marking And Data 5.11 Clause Impact 5.16 Clause Battery Fault Warning 5.22 Clause Polarity Reversal 5.23 Clause Battery Capacity 5.24 Clause Electrical Safety</p>	
<p>Tolerance to supply voltage</p>	<p>Smoke Alarms Meet the Requirements: 5.21 Clause Variation Of Supply Voltage</p>	
<p>Durability of operational reliability and response delay; temperature resistance</p>	<p>Smoke Alarms Meet the Requirements: 5.7 Clause Dry Heat; 5.8 Clause Cold (operational)</p>	
<p>Durability of operational reliability; vibration resistance</p>	<p>Smoke Alarms Meet the Requirements: 5.12 Clause Vibration (operational); 5.13 Clause Vibration (endurance)</p>	



Durability of operational reliability; humidity resistance	Smoke Alarms Meet the Requirements: 5.9 Clause Damp Heat (operational) ;	
Durability of operational reliability; corrosion resistance	Smoke Alarms Meet the Requirements: 5.10 Clause Sulphur Dioxide SO ₂ Corrosion ;	
Durability of operational reliability; electrical stability	Smoke Alarms Meet the Requirements: 5.14 Clause Electromagnetic Compatibility (EMC), Immunity Tests (operational). Electrostatic Discharge, Radiated Electromagnetic Fields, Conducted Disturbances Induced by Electromagnetic Fields, Fast Transient Bursts, Slow High Energy Voltage Surges.	

10. The Performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Date of Issue-1st July 2013

Construction Products Regulation
EU 305 / 2011



Signed for and on behalf of the manufacturer by:

Ningbo Ambest Electronics Co., Ltd.

Position: Cheng Allen, General Manager

Signature: *Cheng Allen*

Date:06/03/2014



NingBo Ambest Electronics Co., Ltd

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