DECLARATION OF PERFORMANCE

European Safety Systems Ltd. Manufacturer: Impress House, Mansell Road, Acton

London, W3 7QH, UK



Equipment Type: A112NDC24, A112NDC48

Intended Use: Fire Safety (Fire Detection and Fire Alarm Systems - Alarm

Devices - Sounders, buildings)

System of Assessment and

Verification of Constancy of Performance:

Notified Body for EC type Examination and Factory VdS Schadensverhütung GmbH **Production Control:**

Notified Body No.: 0786

Amsterdamer Str 172-174, 50735 Köln, Germany

EC-type Examination Certificate: 0786-CPD-20337

Standards: EN 54-3:2001 / A1:2002 / A2:2006

Declared Performance:

Essential Characteristics	Performance	Standard
Performance parameters under fire conditions - Sound level	Pass	EN 54-3:2001 / A1:2002 / A2:2006 Clause 4.2
 Frequencies and sound pattern 	Pass	Clause 4.3
- Reproducibility	Pass	Clause 5.2
- Operational Performance	Pass	Clause 5.3
 Attention drawing signal and message broadcast sequences 	Not applicable	Clause C.3.1
- Synchronisation	Not applicable	Clause C.3.2
 Broadcast message performance 	Not applicable	Clause C.5.1
 Attention drawing signal/silence/message sequence timing 	Not applicable	Clause C.5.2
- Message synchronisation testing	Not applicable	Clause C.5.3
Operational reliability		EN 54-3:2001 / A1:2002 / A2:2006
- Durability	Pass	Clause 4.4
- Construction	Pass	Clause 4.5
 Marking and data 	Pass	Clause 4.6
- Durability	Pass	Clause 5.4
- General testing	Not applicable	Clause C.4
Durability of operational reliability, temperature resistance		EN 54-3:2001 / A1:2002 / A2:2006
 Dry heat (operational) 	Pass	Clause 5.5
- Dry heat (endurance)	Pass	Clause 5.6
- Cold (operational)	Pass	Clause 5.7
 Damp heat. Cyclic (operational) 	Pass	Clause 5.8
Damp heat, steady state (endurance) Durability of operational	Pass	Clause 5.9
reliability, humidity resistance		
 Damp heat, cyclic (operational) 	Pass	Clause 5.8
 Damp heat, steady state (endurance) 	Pass	Clause 5.9
 Damp heat, cyclic (endurance) 	Pass	Clause 5.10
Durability of operational reliability, corrosion resistance		
 Sulphur dioxide (SO2) corrosion (endurance) 	Pass	Clause 5.11
Durability of operational reliability, shock and vibration resistance		
- Shock (operational)	Pass	Clause 5.12
- Impact (operational)	Pass	Clause 5.13
- Vibration, sinusoidal (operational)	Pass	Clause 5.14
- Vibration, sinusoidal (endurance)	Pass	Clause 5.15
Durability of operational reliability, electrical stability		
 Electromagnetic compatibility (EMC), immunity (operational) 	Pass	Clause 5.16
Durability of operational reliability, resistance to ingress		
- Enclosure protection	Pass	Clause 5.17

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Martin Streetz

Date and Place of Issue: London, 17/10/2013 **Document No:** 0786-CPD-20337 Quality Assurance Manager Issue:

Telephone: +44 (0)20 8743 8880 Facsimile: +44 (0)20 8740 4200 E-mail: sales@e2s.com www.e2s.com

European Safety Systems Ltd Company Registration No. 2763350 Registered Office: Impress House Mansell Road, London, UK, W3 7QH, UK