DECLARATION OF PERFORMANCE

Manufacturer: European Safety Systems Ltd.
Impress House, Mansell Road, Acton
London, W3 7QH, UK

Equipment Type: SON4 (24V DC), SON4B (24V DC), SON4L (24V DC)

Intended Use: Fire Safety (Fire Detection and Fire Alarm Systems – Alarm Devices – Sounders, buildings)

System of Assessment and Verification of Constancy of Performance: 1

Notified Body for EC type Examination and Factory Production Control: VdS Schadensverhütung GmbH
Notified Body No.: 0786
Amsterdamer Str 172-174, 50735 Köln, Germany

EC-type Examination Certificate: 0786-CPD-20190

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

Declared Performance:

Essential Characteristics	Performance	Standard
Performance parameters under fire conditions		EN 54-3:2001 / A1:2002 / A2:2006
- Sound level	Pass	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 reliability, humidity resistance	Pass	Clause 5.9
- 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
Quality Assurance Manager

Date and Place of Issue: London, 17/10/2013
Document No: 0786-CPD-20190
Issue: A

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