DECLARATION OF PERFORMANCE

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

Equipment Type: SONF1DC024

Intended Use: Fire Detection and Fire Alarm Systems installed in and around buildings

System of Assessment and Verification of Constancy of Performance: 1

Notified Body for EC type Examination and Factory Production Control: UL International (Netherlands) B.V.
Notified Body No.: 2821
Westervoortsedijk 60 6827 AT ARNHEM Netherlands

EC-type Examination Certificate: 2821-CPR-0284

Notified Body for UKCA Examination and Factory Production Control: UL International (UK) Ltd.
Notified Body No.: 0843
Unit 1-3 Horizon Kingsland Business Park, Wade Road,
Basingstoke, Hampshire RG24 8AH UK

UKCA Examination Certificate: 0843-CPR-1338

Standards Applied: EN54-3:2001 + A1:2002 + A2:2006

Declared Performance:

Essential Characteristics	Performance	Standard / Clause
Performance Parameters under fire conditions		EN54-3:2001 + 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	NPD*	Clause C.3.1
- Synchronisation	NPD*	Clause C.3.2
- Broadcast message performance	NPD*	Clause C.5.1
- Attention Drawing signal/silence/message sequence timing	NPD*	Clause C.5.2
- Message synchronisation testing	NPD*	Clause C.5.3
Operational Reliability		EN54-3:2001 + A1:2002 + A2:2006
- Duration	Pass	Clause 4.4
- Construction	Pass	Clause 4.5
- Marking and data	Pass	Clause 4.5
- Durability	Pass	Clause 5.4
Durability of operational reliability, temperature resistance		EN54-3:2001 + A1:2002 + A2:2006
- Dry Heat (operational)	Type B	Clause 5.5
- Dry Heat (endurance)	Type B	Clause 5.6
- Cold (operational)	Type B	Clause 5.7
- Damp heat, cyclic (operational)	Type B	Clause 5.8
- Damp heat, steady state (endurance)	Type B	Clause 5.9
Durability of operational reliability, Humidity resistance		EN54-3:2001 + A1:2002 + A2:2006
- Damp heat, cyclic (operational)	Type B	Clause 5.8
- Damp heat, steady state (endurance)	Type B	Clause 5.9
- Damp heat cyclic (endurance)	Type B	Clause 5.10
Durability of operational reliability, Corrosion Resistance		EN54-3:2001 + A1:2002 + A2:2006
- Sulphur Dioxide (SO2) corrosion (endurance)	Pass	Clause 5.11
Durability of operational reliability, Shock and vibration resistance		EN54-3:2001 + A1:2002 + A2:2006
- 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		EN54-3:2001 + A1:2002 + A2:2006
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	Clause 5.16
Durability of operational reliability, resistance to ingress		EN54-3:2001 + A1:2002 + A2:2006
- Enclosure protection	Type B	Clause 5.17

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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.



Desmond Gaylor
Quality Assurance Manager

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Telephone: +44 (0)20 8743 8880
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