# DECLARATION OF PERFORMANCE

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

**Equipment Type:** BExS110D (24V DC), BExS120D (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-20225

**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 ($SO_2$) 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

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