

# DECLARATION OF PERFORMANCE



<b>Manufacturer:</b>	European Safety Systems Ltd. Impress House, Mansell Road, Acton London, W3 7QH, UK
<b>Equipment Type:</b>	BExS110D (24V DC), BExS120D (24V DC)
<b>Intended Use:</b>	Fire Safety (Fire Detection and Fire Alarm Systems – Alarm Devices – Sounders, buildings)
<b>System of Assessment and Verification of Constancy of Performance:</b>	1
<b>Notified Body for EC type Examination and Factory Production Control:</b>	VdS Schadensverhütung GmbH Notified Body No.: 0786 Amsterdamer Str 172-174, 50735 Köln, Germany
<b>EC-type Examination Certificate:</b>	0786-CPD-20225
<b>Standards:</b>	EN 54-3:2001 / A1:2002 / A2:2006
<b>Declared Performance:</b>	

Essential Characteristics	Performance	Standard
Performance parameters under fire conditions <ul style="list-style-type: none"> <li>- Sound level</li> <li>- Frequencies and sound pattern</li> <li>- Reproducibility</li> <li>- Operational Performance</li> <li>- Attention drawing signal and message broadcast sequences</li> <li>- Synchronisation</li> <li>- Broadcast message performance</li> <li>- Attention drawing signal/silence/message sequence timing</li> <li>- Message synchronisation testing</li> </ul>	Pass Pass Pass Pass Not applicable Not applicable Not applicable Not applicable	EN 54-3:2001 / A1:2002 / A2:2006 Clause 4.2 Clause 4.3 Clause 5.2 Clause 5.3 Clause C.3.1 Clause C.3.2 Clause C.5.1 Clause C.5.2 Clause C.5.3
Operational reliability <ul style="list-style-type: none"> <li>- Durability</li> <li>- Construction</li> <li>- Marking and data</li> <li>- Durability</li> <li>- General testing</li> </ul>	Pass Pass Pass Pass Not applicable	EN 54-3:2001 / A1:2002 / A2:2006 Clause 4.4 Clause 4.5 Clause 4.6 Clause 5.4 Clause C.4
Durability of operational reliability, temperature resistance <ul style="list-style-type: none"> <li>- Dry heat (operational)</li> <li>- Dry heat (endurance)</li> <li>- Cold (operational)</li> <li>- Damp heat. Cyclic (operational)</li> </ul> Damp heat, steady state (endurance) Durability of operational reliability, humidity resistance <ul style="list-style-type: none"> <li>- Damp heat, cyclic (operational)</li> <li>- Damp heat, steady state (endurance)</li> <li>- Damp heat, cyclic (endurance)</li> </ul> Durability of operational reliability, corrosion resistance <ul style="list-style-type: none"> <li>- Sulphur dioxide (SO<sub>2</sub>) corrosion (endurance)</li> </ul> Durability of operational reliability, shock and vibration resistance <ul style="list-style-type: none"> <li>- Shock (operational)</li> <li>- Impact (operational)</li> <li>- Vibration, sinusoidal (operational)</li> <li>- Vibration, sinusoidal (endurance)</li> </ul> Durability of operational reliability, electrical stability <ul style="list-style-type: none"> <li>- Electromagnetic compatibility (EMC), immunity (operational)</li> </ul> Durability of operational reliability, resistance to ingress <ul style="list-style-type: none"> <li>- Enclosure protection</li> </ul>	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass	EN 54-3:2001 / A1:2002 / A2:2006 Clause 5.5 Clause 5.6 Clause 5.7 Clause 5.8 Clause 5.9 Clause 5.8 Clause 5.9 Clause 5.10 Clause 5.11 Clause 5.12 Clause 5.13 Clause 5.14 Clause 5.15 Clause 5.16 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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