DECLARATION OF PERFORMANCE

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

Equipment Type: A121DC24, A121DC48

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 Production Control:

VdS Schadensverhütung GmbH
Notified Body No.: 0786
Amsterdamer Str 172-174, 50735 Köln, Germany

EC-type Examination Certificate:

0786-CPD-20258

Standards:


Declared Performance:

<table>
<thead>
<tr>
<th>Essential Characteristics</th>
<th>Performance</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Sound level</td>
<td>Pass</td>
<td>Clause 4.2</td>
</tr>
<tr>
<td>- Frequencies and sound pattern</td>
<td>Pass</td>
<td>Clause 4.3</td>
</tr>
<tr>
<td>- Reproducibility</td>
<td>Pass</td>
<td>Clause 5.2</td>
</tr>
<tr>
<td>- Operational Performance</td>
<td>Pass</td>
<td>Clause 5.3</td>
</tr>
<tr>
<td>- Attention drawing signal and message broadcast sequences</td>
<td>Not applicable</td>
<td>Clause C.3.1</td>
</tr>
<tr>
<td>- Synchronisation</td>
<td>Not applicable</td>
<td>Clause C.3.2</td>
</tr>
<tr>
<td>- Broadcast message performance</td>
<td>Not applicable</td>
<td>Clause C.5.1</td>
</tr>
<tr>
<td>- Attention drawing signal/silence/message sequence timing</td>
<td>Not applicable</td>
<td>Clause C.5.2</td>
</tr>
<tr>
<td>- Message synchronisation testing</td>
<td>Not applicable</td>
<td>Clause C.5.3</td>
</tr>
</tbody>
</table>

Operational reliability

- Construction | Pass | Clause 4.4 |
- Marking and data | Pass | Clause 4.5 |
- Durability | Pass | Clause 4.6 |
- General testing | Not applicable | Clause 5.4 |

Durability of operational reliability, temperature resistance

- 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

- Damp heat, cyclic (operational) | Pass | Clause 5.9 |
- Damp heat, steady state (endurance) | Pass | Clause 5.8 |
- Damp heat, cyclic (endurance) | Pass | Clause 5.9 |

Durability of operational reliability, corrosion resistance

- Sulphur dioxide (SO2) corrosion (endurance) | Pass | Clause 5.10 |

Durability of operational reliability, shock and vibration resistance

- Shock (operational) | Pass | Clause 5.11 |
- Impact (operational) | Pass | Clause 5.12 |
- Vibration, sinusoidal (operational) | Pass | Clause 5.13 |
- Vibration, sinusoidal (endurance) | Pass | Clause 5.14 |

Durability of operational reliability, electrical stability

- Electromagnetic compatibility (EMC), immunity (operational) | Pass | Clause 5.15 |

Durability of operational reliability, resistance to ingress

- Enclosure protection | Pass | Clause 5.16 |

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-20258
Issue: A