

DECLARATION OF PERFORMANCE



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

Equipment Type: D1xB2X05DC024 Beacon
Intended Use: Fire Safety (Fire Detection and Fire Alarm Systems – Alarm Devices – VAD, 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: BRE Global Assurance (Ireland) Ltd
Notified Body No.: 2831
DCU Alpha, Old Finglas Road, Glasnevin
Dublin 11 D11 KXN4 Ireland

EC-type Examination Certificate: 2831-CPR-F4859 for clean lens models
D1xB2X05DC024***A1R/C & D1xB2X05DC024***A1G/C
D1xB2X05DC024***ATR/C & D1xB2X05DC024***ATG/R

2831-CPR-F4899 for red lens models
D1xB2X05DC024***A1R/R & D1xB2X05DC024***A1G/R
D1xB2X05DC024***ATR/R & D1xB2X05DC024***ATG/R

Notified Body for UKCA Examination and Factory Production Control: BRE Global Ltd
Notified Body No.: 0832
Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX

UKCA Examination Certificate: 0832-UKCA-CPR-F1783 for clear lens models
D1xB2X05DC024***A1R/C & D1xB2X05DC024***A1G/C
D1xB2X05DC024***ATR/C & D1xB2X05DC024***ATG/R

0832-UKCA-CPR-F1854 for red lens models
D1xB2X05DC024***A1R/R & D1xB2X05DC024***A1G/R
D1xB2X05DC024***ATR/R & D1xB2X05DC024***ATG/R

Standards: EN54-23:2010

Declared Performance:

Essential Characteristics	Performance	Standard / Clause
Operational Reliability <ul style="list-style-type: none"> - Duration of Operation - Provision for external conductors - Flammability of Materials - Enclosure Protection - Access - Manufacturer's adjustments - On-site adjustment of behaviour - Requirements for Software controlled devices 	Pass Pass Pass Pass Pass Pass Pass Pass	EN 54-23:2010 Clause 4.2.1 Clause 4.2.2 Clause 4.2.3 Clause 4.2.4 Clause 4.2.5 Clause 4.2.6 Clause 4.2.7 Clause 4.2.8
Performance Parameters under fire conditions <ul style="list-style-type: none"> - Coverage Volume - Variation of Light Output - Minimum and Maximum light intensity - Light colour - Light temporal pattern and frequency of flashing - Marking and Data - Synchronisation 	Pass Pass Pass Pass 1Hz Pass Pass	EN 54-23:2010 Clause 4.3.1 Clause 4.3.2 Clause 4.3.3 Clause 4.3.4 Clause 4.3.5 Clause 4.3.6 Clause 4.3.7
Durability, Temperature Resistance <ul style="list-style-type: none"> - Dry Heat (operational) - Dry Heat (endurance) - Cold (operational) Durability, Humidity resistance <ul style="list-style-type: none"> - Damp heat, cyclic (operational) - Damp heat, steady state (endurance) - Damp heat cyclic (endurance) Durability, Shock and vibration resistance <ul style="list-style-type: none"> - Shock (operational) 	Pass Pass Pass Pass Pass Pass Pass	EN 54-23:2010 Clause 4.4.1.1 Clause 4.4.1.2 Clause 4.4.1.3 Clause 4.4.2.1 Clause 4.4.2.2 Clause 4.4.2.3 Clause 4.4.3.1

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- Impact (operational)	Pass	Clause 4.4.3.2
- Vibration, sinusoidal (operational)	Pass	Clause 4.4.3.3
- Vibration, sinusoidal (endurance)	Pass	Clause 4.4.3.4
Durability, Corrosion Resistance		
- Sulphur Dioxide (SO ₂) corrosion (endurance)	Pass	Clause 4.4.4
Durability, Electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	Clause 4.4.5

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.

A handwritten signature in black ink, appearing to read 'Martin Streetz'.

Martin Streetz
Quality Assurance Manager

Date and Place of Issue: London, 25/07/2023
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