



In accordance with Construction Products Regulation EU No 305/2011

Declaration of Performance No: ACWSV + AWSM

1 Product Type

Altair Addressable Type A/B (Indoor/Outdoor) Wall Sounder with Short Circuit Isolator

2 Models

Axis-CWSV + Axis-WSM

Axis-CWSV/WH + Axis-WSM

3 Intended Use:

Fire Safety – Fire detection and fire alarm systems

4 Manufactured by:

Advanced Electronics Ltd,
The Bridges, Balliol Business Park,
Newcastle-Upon-Tyne.
NE12 8EW

In the manufacturing plant:

Argus Security Srl
Via del Cannelto 14
Valle delle Noghere
34015 Muggia
Trieste
Italy

5 Authorised Representative

Halma Europe DS BV
J. Keplerweg 14
2408AC
Alphen aan Den Rijn
Netherlands

We, Advanced Electronics Ltd., have appointed Halma Europe DS BV by official mandate as our authorised representative within, and importer of products into, the European Union.

6 System of Assessment and verification of constancy of performance

System 1

7 Harmonised Standards

BRE Global Ireland 2831 performed initial type testing and initial inspection of the manufacturing plant and factory production control, and performs continuous surveillance of the factory production control under system 1 and has issued a certificate of conformity 2831-CPR-F1421 to:

EN 54-3:2001 +A1:2002 +A2:2006

EN 54-17:2005

EN 54-18:2005

EN 54-23:2010

8 European Technical Assessment

Not applicable

9 Declared Performance

| Essential Characteristic | Performance | Harmonised technical specification |
|---|--|--|
| Performance under fire conditions | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clauses 4.2, 4.3, 5.2, 5.3 EN 54-17:2005 clause 5.2 EN 54-18:2005 clause 5.1.4 |
| Operational reliability | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clauses 4.4, 4.5, 4.6, 5.4 EN 54-18:2005 clause 5.1.4 EN 54-17:2005 clause 4 |
| Durability of operational reliability, temperature resistance | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clauses 5.5, 5.7, 5.8, 5.9 EN 54-17:2005 clause 5.4, 5.5 EN 54-18:2005 clause 5.3, 5.4 |
| Durability of operational reliability, humidity resistance | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clauses 5.8, 5.9 EN 54-17:2005 clause 5.6, 5.7 EN 54-18:2005 clause 5.5, 5.6 |
| Durability of operational reliability, corrosion resistance | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clause 5.11 EN 54-17:2005 clause 5.8 EN 54-18:2005 clause 5.7 |
| Durability of operational reliability, shock (EN 54-3 only) and vibration resistance | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clauses 5.12 to 5.15 EN 54-17:2005 clause 5.9 to 5.12 EN 54-18:2005 clause 5.8 to 5.11 |
| Durability of operational reliability, electrical stability | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clause 5.16 EN 54-17:2005 clause 5.3, 5.13 EN 54-17:2005 clause 5.2, 5.12 |
| Durability of operational reliability, resistance to ingress | Pass | EN 54-3:2001 +A1:2002 +A2:2006 clause 5.17 |
| Response delay (response time) | Pass | EN 54-18:2005 clause 5.2 |
| Operational reliability: Duration of operation Provisions 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 Pass | EN 54-23:2010 clause 4.2.1 EN 54-23:2010 clause 4.2.2 EN 54-23:2010 clause 4.2.3 EN 54-23:2010 clause 4.2.4 EN 54-23:2010 clause 4.2.5 EN 54-23:2010 clause 4.2.6 EN 54-23:2010 clause 4.2.7 EN 54-23:2010 clause 4.2.8 |
| Performance parameters under fire condition: Coverage volume Variation of light output Minimum and maximum light intensity Light colour Light temporal pattern and frequency of flashing Marking and data Synchronisation (option with requirements) | Pass Pass Pass White Pass: 0.5Hz Pass Pass | EN 54-23:2010 clause 4.3.1 EN 54-23:2010 clause 4.3.2 EN 54-23:2010 clause 4.3.3 EN 54-23:2010 clause 4.3.4 EN 54-23:2010 clause 4.3.5 EN 54-23:2010 clause 4.3.6 EN 54-23:2010 clause 4.3.7 |
| Durability: Temperature resistance: Dry heat (operational) Dry heat (endurance) Cold (operational) Humidity resistance: Damp heat, cyclic (operational) Damp heat, steady state (endurance) Damp heat, cyclic (endurance) Shock and vibration resistance: Shock (operational) Impact (operational) Vibration (operational) Vibration (endurance) Corrosion resistance: SO2 corrosion (endurance) Electrical stability: EMC, immunity (operational) | Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass | EN 54-23:2010 clause 4.4.1.1 EN 54-23:2010 clause 4.4.1.2 EN 54-23:2010 clause 4.4.1.3 EN 54-23:2010 clause 4.4.2.1 EN 54-23:2010 clause 4.4.2.2 EN 54-23:2010 clause 4.4.2.3 EN 54-23:2010 clause 4.4.3.1 EN 54-23:2010 clause 4.4.3.2 EN 54-23:2010 clause 4.4.3.3 EN 54-23:2010 clause 4.4.3.4 EN 54-23:2010 clause 4.4.4 EN 54-23:2010 clause 4.4.5 |

10 Authority

The performance of the product(s) identified in points 1 and 2 is (are) in conformity with the declared performance detailed in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:
Mr Jayson Shepherd - Product Compliance Officer



01 January 2021