



In accordance with Construction Products Regulation EU No 305/2011

## Declaration of Performance No: SGWE100

### 1 Product Type

Wireless expander module

### 2 Models

20-SGWE100-ADV

### 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  
United Kingdom

In the manufacturing plant:  
Argus Security S.r.l.  
Via del Canneto, 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-F2169 and LPCB Certificate 928r/02 to:

EN 54-18:2005, EN 54-25:2008

## 8 European Technical Assessment

Not applicable

## 9 Declared Performance

Essential Characteristic	Performance	Harmonised technical specification
Response delay (response time)	Pass	EN 54-18:2005 clause 5.2
Performance under fire conditions	Pass	EN 54-18:2005 clause 5.1.4
Durability of operational reliability, temperature resistance	Pass	EN 54-18:2005 clauses 5.3, 5.4
Durability of operational reliability, vibration resistance	Pass	EN 54-18:2005 clauses 5.8 to 5.11
Durability of operational reliability, humidity resistance	Pass	EN 54-18:2005 clauses 5.5, 5.6
Durability of operational reliability, corrosion resistance	Pass	EN 54-18:2005 clause 5.7
Durability of operational reliability, electrical stability	Pass	EN 54-18:2005 clauses 5.2, 5.12
Performance parameters under fire conditions	Pass	EN 54-25:2008 clauses 4, 4.2.2, 5.2, 8.3.7
Response delay (time to fire)	Pass	EN 54-25:2008 clauses 8.2.3, 8.2.6
Operational reliability	Pass	EN 54-25:2008 clauses 4.2.1, 4.2.3 to 4.2.7, 5.3, 5.4, 6, 7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8, 8.2.9, 8.3.1 to 8.3.6
Durability of operational reliability, temperature resistance	Pass	EN 54-25:2008 clauses 8.3.9 to 8.3.11
Durability of operational reliability, vibration resistance	Pass	EN 54-25:2008 clauses 8.3.16 to 8.3.19
Durability of operational reliability, humidity resistance	Pass	EN 54-25:2008 clauses 8.3.13, 8.3.14
Durability of operational reliability, corrosion resistance	Pass	EN 54-25:2008 clause 8.3.15
Durability of operational reliability, electrical stability	Pass	EN 54-25:2008 clause 8.3.20

## 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