

# MxPro<sup>4</sup> CE

In accordance with Construction Products Regulation EU No 305/2011

## Declaration of Performance No: 4000

### [1] Product Type

MxPro<sup>4</sup> Series Fire Detection and Fire Alarm Panel

### [2] Models

Mx-4100, Mx-4100/L, MX-4100/S	Loops
Mx-420x, Mx-420x/D, MX-420x/LE, Mx-420x/R, Mx-420xV, Mx-420xV/D, Mx-420xV/LE, Mx-420xV/R, Mx-420xN, Mx-420xN/D, Mx-420xN/LE, Mx-420xN/R	x = 1-2
Mx-440x, Mx-440x/D, MX-440x/LE, Mx-440x/R, Mx-440xV, Mx-440xV/D, Mx-440xV/LE, Mx-440xV/R, Mx-440xN, Mx-440xN/D, Mx-440xN/LE, Mx-440xN/R	x = 1-4
Mx-480x, Mx-480xV, Mx-480xN	x = 2-8

### [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

### [5] Authorised Representative

Not applicable

### [6] System of Assessment and verification of constancy of performance

System 1

### [7] Harmonised Standards

BSI Group The Netherlands B.V. 2797 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 2797 CPR 549125 to:

EN54-2:1997 +A1:2006, EN54-4:1997 +A1:2002 +A2:2006

## [8] European Technical Assessment

Not applicable

## [9] Declared Performance

Essential Characteristic	Performance	Harmonised technical specification
Performance under fire conditions	Pass	EN54-2:1997 +A1:2006, Clauses 4, 5, 7
Response delay (response time to fire)	Pass	EN54-2:1997 +A1:2006, Clauses 7.1, 7.7, 7.11, 7.12
Operational reliability		
General requirements	Pass	EN54-2:1997 +A1:2006, Clause 4
General requirements for indications	Pass	EN54-2:1997 +A1:2006, Clause 5
The quiescent condition	Pass	EN54-2:1997 +A1:2006, Clause 6
The fire alarm condition	Pass	EN54-2:1997 +A1:2006, Clauses 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7
Output to fire alarm devices	Pass	EN54-2:1997 +A1:2006, Clause 7.8
Control of fire alarm routing equipment	Pass	EN54-2:1997 +A1:2006, Clause 7.9
Outputs to fire protection equipment	NPD	EN54-2:1997 +A1:2006, Clause 7.10
Delays to outputs	Pass	EN54-2:1997 +A1:2006, Clause 7.11
Dependencies on more than one alarm signal	Pass	EN54-2:1997 +A1:2006, Clause 7.12
Alarm Counter	Pass	EN54-2:1997 +A1:2006, Clause 7.13
The fault warning condition	Pass	EN54-2:1997 +A1:2006, Clauses 8.1, 8.2, 8.3, 8.5, 8.6, 8.7, 8.8
Total loss of power supply	NPD	EN54-2:1997 +A1:2006, Clause 8.4
Output to fault warning routing equipment	Pass	EN54-2:1997 +A1:2006, Clause 8.9
Disabling of addressable points	Pass	EN54-2:1997 +A1:2006, Clause 9.5
Test condition	Pass	EN54-2:1997 +A1:2006, Clause 10
Standardised input / output interface	Pass	EN54-2:1997 +A1:2006, Clause 11
Design requirements	Pass	EN54-2:1997 +A1:2006, Clause 12
Additional design requirements for software controlled control and indicating equipment	Pass	EN54-2:1997 +A1:2006, Clause 13
Marking	Pass	EN54-2:1997 +A1:2006, Clause 14
Operational reliability	Pass	EN54-4:1997 +A1:2002+A2:2006, Clauses 4, 5, 6, 7, 8
Performance of power supply	Pass	EN54-4:1997 +A1:2002+A2:2006, Clauses 4, 5, 6
Durability of operational reliability, Temperature resistance	Pass	EN54-2:1997 +A1:2006, Clause 15.4 EN54-4:1997 +A1:2002+A2:2006, Clause 9.5
Durability of operational reliability, Vibration resistance	Pass	EN54-2:1997 +A1:2006, Clauses 15.6, 15.7, 15.15 EN54-4:1997 +A1:2002+A2:2006, Clauses 9.7, 9.8, 9.15
Durability of operational reliability, Electrical stability	Pass	EN54-2:1997 +A1:2006, Clauses 15.8 to 15.13 EN54-4:1997 +A1:2002+A2:2006, Clauses 9.9 to 9.13
Durability of operational reliability, Humidity resistance	Pass	EN54-2:1997 +A1:2006, Clauses 15.5, 15.14 EN54-4:1997 +A1:2002+A2:2006, Clauses 9.6, 9.14

## [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:

David Wilson (Engineering Manager)



4<sup>th</sup> April 2019