



In accordance with Construction Products Regulation EU No 305/2011

Declaration of Performance No: 3000

[1] Product Type

ExGo Gas Extinguishing Control Panel / Fire Detection and Fire Alarm Panel

[2] Models

Ex-3001

[3] Intended Use:

Fire Safety – Fire detection and fire alarm systems, Gas extinguishing 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 541661 to:

EN54-2:1997 +A1:2006

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

EN12094-1:2003

[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 EN12094-1:2003, Clauses 4.3, 4.4, 4.5, 4.6
Response delay (response time to fire)	Pass	EN54-2:1997 +A1:2006, Clauses 7.1, 7.7, 7.11, 7.12 EN12094-1:2003, Clause 4.8
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	NPD	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	NPD	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	Pass	EN54-2:1997 +A1:2006, Clause 8.4
Output to fault warning routing equipment	NPD	EN54-2:1997 +A1:2006, Clause 8.9
Disablement of addressable points	NPD	EN54-2:1997 +A1:2006, Clause 9.5
Test condition	Pass	EN54-2:1997 +A1:2006, Clause 10
Standardised input / output interface	NPD	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
Operational reliability		
Functional requirements	Pass, Class A	EN12094-1:2003, Clauses 4.1 to 4.16
Delay of extinguishing signal	Pass	EN12094-1:2003, Clause 4.17
Signal representing the flow of extinguishing agent	Pass	EN12094-1:2003, Clause 4.18
Monitoring of the status of components	Pass	EN12094-1:2003, Clause 4.19
Emergency hold device	Pass	EN12094-1:2003, Clause 4.20
Control of flooding time	Pass, 0-1800s	EN12094-1:2003, Clause 4.21
Initiation of secondary flooding	NPD	EN12094-1:2003, Clause 4.22
Manual only mode	Pass	EN12094-1:2003, Clause 4.23
Triggering signals to equipment within the system	Pass	EN12094-1:2003, Clause 4.24
Extinguishing signals to spare cylinders	NPD	EN12094-1:2003, Clause 4.25
Triggering of equipment outside the system	Pass	EN12094-1:2003, Clause 4.26
Emergency abort device	Pass	EN12094-1:2003, Clause 4.27
Control of extended discharge	NPD	EN12094-1:2003, Clause 4.28
Release of extinguishing media to selected flooding zones	NPD	EN12094-1:2003, Clause 4.29
Activation of alarm devices with different signals	Pass	EN12094-1:2003, Clause 4.30
Design requirements	Pass	EN12094-1:2003, Clause 5
Additional design requirements for software controlled electrical automatic control and delay device	Pass	EN12094-1:2003, Clause 6
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 EN12094-1:2003, Clause 9.3
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 EN12094-1:2003, Clause 9.3
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 EN12094-1:2003, Clause 9.3
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 EN12094-1:2003, Clause 9.3

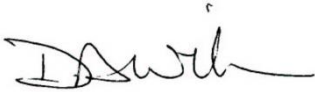
[10] Authority

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)

A handwritten signature in black ink, appearing to read 'D Wilson', with a stylized flourish at the end.

4th April 2019