

# Certificate of Constancy of Performance

**0359-CPR-00035**



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

**Product(s):** **XPander Single Input/Output Unit XPA-IN-14011-APO and XPander Dual Input/Output Unit XPA-IN-14012-APO**  
(refer to attached appendix for details and conditions)

**Produced by or for:** **Apollo Fire Detectors Limited**  
36 Brookside Road, Havant, Hampshire, PO9 1JR

**Produced in the manufacturing plant(s):** **EMS Security Group Limited**  
Technology House, Sea Street, Herne Bay, Kent, CT6 8JZ

**Intended use:** **Fire Safety**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

**EN54-18:2005+AC:2007**  
Fire detection and fire alarm systems – Input/output devices

**EN54-25:2008+AC:2012**  
Fire detection and fire alarm systems. Fire detection and fire alarm systems - Components using radio links

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued under CPD (89/106/EEC) on **10 June 2010** and re-issued on **19 December 2014** under CPR (305/2011/EU) and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body. A review of the product(s) and compliant standard(s) will be carried out after 5 years to ensure continued compliance.

**Notified Body  
0359**

Intertek Testing & Certification Limited  
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Oliver Richardson  
**Certification Manager**

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex,  
CM14 5NQ, United Kingdom

Date 19/12/2014  
Issue 1

Review date 20/6/2015

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# Certificate of Constancy of Performance

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### Appendix to Certificate of Constancy of Performance 0359-CPR-00035

The details and condition of use for the XPander Single Input/Output Unit XPA-IN-14011-APO and XPander Dual Input/Output Unit XPA-IN-14012-APO, placed on the market by:

#### **Apollo Fire Detectors Limited**

36 Brookside Road, Havant, Hampshire, PO9 1JR

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

#### **Products compliant with EN54-18:2005+AC:2007 and EN54-25:2008+AC:2012:**

XPander Single Input/Output Unit XPA-IN-14011-APO

XPander Dual Input/Output Unit XPA-IN-14012-APO

#### **Conditions of use:**

Suitable for indoor applications

#### **General Notes:**

1. Evaluated under Intertek project number 101938375.
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

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### Appendix to Certificate of Constancy of Performance 0359-CPR-00035 (continued)

<i>Table of performance for EN54-18:2005+AC:2007</i>			
<b>Harmonised technical specification</b>			
<b>Essential characteristics</b>	<b>Performance</b>	<b>Clauses</b>	<b>Notes</b>
Response delay (response time)	-	5.2	
Performance under fire conditions	Pass	5.1.4	
Operational reliability	Pass	5.1.4	
Durability of operational reliability temperature resistance	Pass	5.3, 5.4	
Durability of operational reliability; vibration resistance	Pass	5.8 to 5.11	
Durability of operational reliability; humidity resistance	Pass	5.5, 5.6	
Durability of operational reliability; corrosion resistance	Pass	5.7	
Durability of operational reliability; electrical stability	Pass	5.2, 5.12	a
<i>Notes:</i>			
a. <i>Clauses 5.12a and 5.12b are only applicable for devices that incorporate a mains supply; these clauses were therefore not assessed.</i>			

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### Appendix to Certificate of Constancy of Performance 0359-CPR-00035 (continued)

<i>Table of performance for EN54-25:2008+AC:2012</i>			
<b>Harmonised technical specification</b>			
<b>Essential characteristics</b>	<b>Performance</b>	<b>Clauses</b>	<b>Notes</b>
Performance parameters under fire conditions	Pass	4.1, 4.2.2, 5.2, 8.3.7	a
Response delay (response time to fire)	Pass	8.2.3, 8.2.6	a
Operational reliability	Pass	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, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6	
Durability of operational reliability; temperature resistance	Pass	8.3.9, 8.3.10, 8.3.11	
Durability of operational reliability; vibration resistance	Pass	8.3.16, 8.3.17 to 8.3.19	
Durability of operational reliability; humidity resistance	Pass	8.3.12, 8.3.13, 8.3.14	b
Durability of operational reliability; corrosion resistance	Pass	8.3.15	
Durability of operational reliability; electrical stability	Pass	8.3.20	c
<b>Notes:</b>			
<p>a. <i>The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.</i></p> <p>b. <i>Clause 8.3.13 is only applicable for CIE and smoke detectors.</i></p> <p>c. <i>Clauses 8.3.20.2f and 8.3.20.2g are only applicable for mains supplied devices; these clauses were therefore not assessed.</i></p>			