

**Construction Products Regulation:  
305/2011**

**DECLARATION OF PERFORMANCE**

**No. 0359-CPR-00223**

1. Unique identification code of the product-type:

**XPA-IN-14050-APO**  
**Variant:**  
**XPA-IN-14051-APO**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

**XPA-IN-14050-APO XPander Loop Interface with Diversity with Wire Aerials**  
**Variant:**  
**XPA-IN-14051-APO Xpander Loop Interface with Diversity with SMA Aerials**

**Each individual product is identified with a label containing a production date code with build standard number**

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Fire detection and fire alarm systems**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**Apollo Fire Detectors Ltd,**  
**36 Brookside Road, Havant, Hampshire, PO9 1JR**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**N/A**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 1**

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

**Intertek (Notified Body 0359) has performed type testing of the product, initial inspection of the manufacturing plant and of factory production control with continuing surveillance, assessment and evaluation of factory production control under system 1 and issued the following Certificate of Constancy of Performance:**

**0359-CPR-00223**

(v5)

A HALMA COMPANY



Assessed to ISO 9001:2008  
LPCB Cert No. 010



Certificate No. 010  
See www.RedBookLive.com



Assessed to ISO 14001:2004  
Certificate number EMS 010

**Apollo Fire Detectors Limited**

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**www.apollo-fire.co.uk**

Apollo Fire Detectors Ltd. Registered in England No. 1483208

Registered Office: 36 Brookside Road, Havant, Hampshire, PO9 1JR VAT Registration No. GB339 055354

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not applicable**

9. Declared performance

<b>Essential Characteristics</b>	<b>Standard EN54- 17:2005+AC:2007</b>	<b>Performance</b>
Performance under fire conditions	5.2 1)	Pass
Operational reliability	4	Pass
Durability of operational reliability: temperature resistance	5.4, 5.5	Pass
Durability of operational reliability: vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability: humidity resistance	5.6, 5.7	Pass
Durability of operational reliability: corrosion resistance	5.8	Pass
Durability of operational reliability: electrical stability	5.3,5.13	Pass
1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices		

<b>Essential Characteristics</b>	<b>Standard EN54- 18:2005+AC:2007</b>	<b>Performance</b>
Performance delay (response time)	5.2 1)	Pass
Performance under fire conditions	5.1.4	Pass
Operational reliability	5.1.4	Pass
Durability of operational reliability: temperature resistance	5.3, 5.4	Pass
Durability of operational reliability: vibration resistance	5.8 to 5.11	Pass
Durability of operational reliability: humidity resistance	5.5, 5.6	Pass
Durability of operational reliability: corrosion resistance	5.7	Pass
Durability of operational reliability: electrical stability	5.2, 5.12	Pass
1) Response delays may not be a function of the input/output device, in which case no assessment is made as part of this standard		

<b>Essential Characteristics</b>	<b>Standard EN54 25:2008+AC:2010+AC:2012</b>	<b>Performance</b>
Performance parameters under fire conditions	4.1, 4.2.2, 5.2, 8.3.7	Pass
Response delay (response time to fire)	8.2.3, 8.2.6	Pass
Operational reliability	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 <sup>b</sup> , 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6	Pass
Durability of operational reliability: Temperature resistance	8.3.9 <sup>c</sup> , 8.3.10 <sup>c</sup> , 8.3.11	Pass
Durability of operational reliability: Vibration resistance	8.3.16 <sup>c</sup> , 8.3.17 to 8.3.19	Pass
Durability of operational reliability: Humidity resistance	8.3.12 <sup>d</sup> , 8.3.13 <sup>e</sup> , 8.3.14	Pass
Durability of operational reliability: Corrosion resistance	8.3.15 <sup>c</sup>	Pass
Durability of operational reliability: Electrical stability	8.3.20	Pass
<p><sup>a</sup> 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.</p> <p><sup>b</sup> Only applicable to components required to indicate loss of communication or to transmit this information to the CIE.</p> <p><sup>c</sup> Not applicable for CIE</p> <p><sup>d</sup> Not applicable for CIE and smoke detectors</p> <p><sup>e</sup> Only applicable for CIE and smoke detectors</p>		

The performance of the product identified above is in conformity with the performance and essential characteristics declared within this certificate. The declaration of performance is issued under the sole responsibility of Apollo Fire Detectors Limited.

Signed for and on behalf of Apollo Fire Detectors Limited by:



Mr. Karl Westhead  
Technical Director

Place and Date of Issue: Havant – **03 January 2019**