

**Construction Products Regulation:  
305/2011**

**DECLARATION OF PERFORMANCE  
No. 0832-CPR-F1120**

1. Unique identification code of the product-type:

**SA7100-100APO**

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:

**Addressable Beam Detector with Automatic Alignment**

**To be used in conjunction with the following ancillaries:**

**0020-017 – Mounting Bracket, 29650-070 – IR Beam Detector,**

**5000-067 – System Controller**

**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):

**FFE Ltd**

**9 Hunting Gate, Hitchin, Hertfordshire, SG4 0TJ, United Kingdom**

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

**Apollo Fire Detectors Ltd,**

**36 Brookside Road, Havant, Hampshire, PO9 1JR**

5. 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:

**BRE Global Limited (Notified Body 0832) has performed type testing of the product, initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and evaluation of factory production control under system 1 and issued the following Certificate of Constancy of Performance:**

**0832-CPR-F1120**

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</b>	<b>Performance</b>
Performance under fire conditions	5.2	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 EN54-12:2002</b>	<b>Performance</b>
Nominal activation conditions sensitivity	4.5, 4.8, 4.10, 5.2, 5.4, 5.7, 5.8, 5.9, 5.10	Pass
Response delay (response time)	5.3, 5.6	Pass
Operational reliability	4.3, 4.4, 4.6, 4.7, 5.16, 5.18 4.9 <sub>a</sub>	Pass
Tolerance to supply voltage	5.5	Pass
Performance parameters under fire conditions	4.2	Pass
Durability of operational reliability: temperature resistance	5.11, 5.12	Pass
Durability of operational reliability: vibration resistance	5.15	Pass
Durability of operational reliability: humidity resistance	5.13, 5.14	Pass
Durability of operational reliability: corrosion resistance	5.17	Pass
Tolerance to supply voltage	5.5	Pass
<sub>a</sub> Applies only to software controlled detector		

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 – **2 June 2016**