

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

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

### 45681-290 Analogue Adressable Type A Integrated Base Sounder with Short Circuit Isolator

The product fulfils the essential characteristic:

**See Annex 1**

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

**Apollo Fire Detectors Ltd.  
36 Brookside Road  
Havant, Hampshire, P09 1JR  
United Kingdom**

and produced in the manufacturing plant:

**Apollo Fire Detectors Ltd.  
36 Brookside Road  
Havant, Hampshire, P09 1JR  
United Kingdom**

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

**EN 54-17:2005/AC:2007** : **Fire detection and fire alarm systems - Part 17: Short-circuit isolators**  
**EN 54-3:2001/A1:2002/A2:2006** : **Fire detection and fire alarm systems - Part 3: Fire alarm devices - Sounders**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

### CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.

This certificate was first issued on 2019-10-31 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2023-10-26**

(This certificate supersedes the previous version of this certificate issued 2019-10-31)



Chris Ellis  
Responsible for evaluation



Steen Nilsson  
Responsible for certification decision

Annex 1

**EXTENT**

<b>Type:</b> 45681-290 Analogue Addressable Type A Integrated Base Sounder with Short Circuit Isolator		
<b>Sounder Tones:</b> Alert (High Tone Range) – 870Hz Continuous – with variable volume control Evacuate (High Tone Range) – 0Hz (1s) – 500Hz/1200Hz (3.5s) with variable volume control		
<b>Performance</b>		
Essential characteristics	Clauses in EN 54-3:2001	Performance
Performance under fire conditions	4.2, 4.3, 5.2, 5.3	Pass
Operational reliability	4.4, 4.5, 4.6, 5.4, C4	Pass
Durability of operational reliability and response delay; temperature resistance	5.5, 5.6, 5.7, 5.8, 5.9	Pass
Durability of operational reliability; humidity resistance	5.8, 5.9, 5.10	Pass
Durability of operational reliability; corrosion resistance	5.11	Pass
Durability of operational reliability; vibration resistance	5.12 to 5.15	Pass
Durability of operational reliability; electrical stability	5.16	Pass
Durability of operational reliability; resistance to ingress	5.17	Pass
5.6 and 5.10 applies only to outdoor sounders or outdoor voice sounders.		
5.16 applies only to sounders or voice sounders with active electronic components		
Essential characteristics	Clauses in EN 54-17:2005	Performance
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		

Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
BRE	P109696 Issue: 1	2018-08-15
BRE	TE 222021	2005-09-28
BRE	TE-P105642-1001 Issue: 1	2019-03-21
BRE	TE-P110938-1001 Issue: 1	2019-03-25

**TECHNICAL BASIS**

File Number	Title
45681-290	Build Standard