Certificate No.: 2531-CPR-CSP11039

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

45681-300 Integrated Base Sounder with Short Circuit Isolator (DIN Tone)

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

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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

Type:
45681-300 Integrated Base Sounder with Short Circuit Isolator (DIN Tone)

Sounder Tones:
Alert (High Tone Range) – 870Hz Continuous – with variable volume control
Evacuate (High Tone Range) – 1200Hz to 500Hz over 1s – with variable volume control

Performance

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 226333	2006-02-14
BRE	TE 226333/2	2006-08-31
BRE	TE226333-SW	2006-09-15
BRE	TTE-P110938-1001 Issue: 1	2019-03-25

TECHNICAL BASIS

File Number	Title
45681-300	Build Standart