Certificate No.: 2531-CPR-CSP11166

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

45681-702 Discovery Sounder Base (White) with 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 2019-11-28 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 2021-10-05)

Chris Ellis
Responsible for evaluation

Steen Nilsson
Responsible for certification decision

Annex 1

EXTENT

Type:
45681-702 Discovery Sounder Base (White) with Isolator

Notes:
1. Meets the requirements of EN 54-3: 2001 at the following tone settings:
   Tone 1 Apollo Evacuation Tone - 567Hz for 0.5s, 850Hz for 0.5s
   Tone 12 Alternating - (Hochiki & Fulleon) - 925Hz for 0.25s, 626Hz for 0.25s
   Tone 14 Medium Sweep - 800Hz to 970Hz at 1 Hz
   Tone 3 Dutch Slow Whoop (sweep) - 500Hz - 1200Hz for 3.5s, 0.5s off
   Tone 4 DIN Tone (sweep) - 1200Hz - 500Hz for 1s
   Tone 18 Swedish Fire Tone - 660 Hz, 150ms on, 150ms off
   Tone 0 Apollo Alert Tone - 1s off, 1s 850Hz
   Tone 11 Continuous (Hochiki & Fulleon) - 925Hz
   Tone 13 Continuous - 970Hz
   Tone 2 Continuous - 850Hz
   Tone 17 Swedish all clear signal – Continuous - 660Hz
2. Type A and approved for sounder volumes 2-7 only.

Accessories:
45681-292 White Cap (Lockable)
45681-293 Red Cap (Lockable)

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	TE 281812 Revision 1	2014-01-09
BRE	TE 281812 Revision 2	2015-09-24
BRE	TE 286206 Revision 1	2014-01-09
BRE	TE 286206	2013-12-10
BRE	TE-P118556-1000 Revision 1	2021-05-06
BRE	P118556/1.1	2020-05-21
BRE	TE-P110938-1001 Issue: 1	2019-03-25

TECHNICAL BASIS

File Number	Title
45681-702	Build Standard