

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

45681-330 Addressable Type A Sounder Beacon Base 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 GB-P09 1JR**

and produced in the manufacturing plant:

**Apollo Fire Detectors Ltd.,
36 Brookside Road,
Havant, Hampshire GB-P09 1JR**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

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

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2019-12-02**.

This certificate will remain valid as long as neither the harmonized 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

This certificate was first issued 2019-12-02.



Merete Poulsen
Responsible for evaluation



Allan Laursen
Responsible for certification decision

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Annex 1

EXTENT

Type:

45681-330 Addressable Type A Sounder Beacon Base with Isolator

Variant:

45681-330CSS Sounder Visual Indicator Base with Isolator

Note:

1. Meets the requirements of EN54-3 at the following tones:
 - Alert, High range – variable from 75dB(A) to 91dB(A), 0Hz (1s, 825Hz)(1s).
 - Evacuate, High range – variable from 75 dB(A) to 91dB(A). 550Hz(0.5s), 825Hz(0.5s), 0Hz(0.5s), 500/1200Hz(3.5s).

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		

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Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
BRE BRE BRE	TE 225322/1 TE 225322/2 TE-E123478-1001 Issue: 1	21 September 2006 19 september 2006 13 August 2018

TECHNICAL BASIS

File Number	Title
45681-330	Build Standard

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