

**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

**45681-509 AlarmSense Sounder Visual Indicator Base**  
**45681-510 AlarmSense Sounder Base**

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-PO9 1JR**  
**United Kingdom**

and produced in the manufacturing plant:

**Apollo Fire Detectors Ltd.**  
**36 Brookside Road**  
**Havant, Hampshire, GB-PO9 1JR**  
**United Kingdom**

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/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 performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2020-10-15**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 2020-10-15.



Merete Poulsen  
Responsible for evaluation



Thomas Wilson Jr.  
Responsible for certification decision

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**DBI Certification A/S**

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 **DANAK**  
Prod. Reg. Nr. 7023

Version 2019-10-02  
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Annex 1

**EXTENT**

**Model Reference:**

45681-509 AlarmSense Sounder Visual Indicator Base  
45681-510 AlarmSense Sounder Base

**Variant:**

45681-510CSS AlarmSense Sounder Base

**Description:**

Sounder intended for use in fire detection and fire alarm systems installed in and around buildings.

**Operating Voltage:**

18 to 33 V DC

**Type:**

A (indoor use)

**Tones:**

Tone #1 (550Hz/825Hz) is the only tone claimed for compliance with EN 54-3.

**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

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Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
UL International UK Ltd.	NC12329-D1-European Directive-Original	2012-06-01
UL International UK Ltd.	NC12329-D1-European Directive-Original	2012-06-01, Revised: 2017-03-20

**TECHNICAL BASIS**

File Number	Title
45681-509	Build Standard
45681-510	Build Standard

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