

## 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

### **55000-293 Conventional Type A sounder beacon with isolator (red) for use in fire detection and alarm systems**

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 Limited**  
**36 Brookside Road, Havant, Hampshire, PO9 1JR, UK**

and produced in the manufacturing plant:

**Eaton Electrical Products Ltd**  
**Llantarnam Park, Cwmbarn, NP44 3AW, UK**

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**  
**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: **2019-10-28**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 2019-10-28.



Merete Poulsen  
Responsible for evaluation



Allan Laursen  
Responsible for certification decision

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#### **DBI Certification A/S**

Jernholmen 12, 2650 Hvidovre  
Tlf.: 36 34 90 90

E-mail: [info@dbicertification.dk](mailto:info@dbicertification.dk)  
[www.dbicertification.dk](http://www.dbicertification.dk)

Annex 1

**EXTENT**

**Type:**

55000-293 Conventional Type A sounder beacon with isolator (red) for use in fire detection and alarm systems

**Variants:**

55000-294 – White variant

**Sounder Tones:**

Slow Whoop Evacuate – 500Hz to 1200Hz over 3.5s / Off for 0.5s

DIN Evacuate – 1200Hz to 500Hz over 1s

Apollo Evacuate – 550Hz to 700Hz for 0.5s / 850Hz to 1000Hz for 0.5s

DIN Alert – 800Hz to 1000Hz

Slow Whoop Alert – 800Hz to 1000Hz

Apollo Alert – 850Hz to 1000Hz for 1's / 0Hz for 1s

**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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[www.dbicertification.dk](http://www.dbicertification.dk)

Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
BRE	TE 225769	23 March 2007

**TECHNICAL BASIS**

File Number	Title
55000-293	Build Standard

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