

## 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

### **BBQ-130 Addressable indoor base sounder and beacon 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:

**Autronica Fire and Security AS  
Bromstadvegen 59  
NO-7047 Trondheim  
Norway**

and produced in the manufacturing plant:

**CPA10061**

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

**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 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 2022-12-23 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: **2022-12-23**.



Chris Ellis  
Responsible for evaluation



Merete Poulsen  
Responsible for certification decision

Annex 1

**EXTENT**

**Type:**

BBQ-130 Addressable indoor base sounder and beacon with isolator

**Sounder Tones:**

Tone	Description	Sounder Pattern Information
a	General Alarm	880Hz, 7*0.5 sec pulse & 1*5.5
b	Evacuate	880 Hz, 1 sec on / 1 sec off, forever
c	Alert	880 Hz ON, forever
d	Bell Test	0.5 sec on every 8 sec
e	Slow Whoop	3.5 sec on / 0.5 sec off, 500-1200 Hz

**Note:**

The beacon functionality is not included within the scope of this approval.

**Performance**

Essential characteristics	Clauses in EN 54-3:2001/A1:2002/A2:2006	Performance
Performance under fire conditions	4.2, 4.3, 5.2, 5.3	Pass
Operational reliability	4.4, 4.5, 4.6, 5.4	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. Therefore are these clauses not applicable for this device. 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 <sup>1)</sup>	Pass
Operational reliability	4 <sup>2)</sup>	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
- 2) There is no provision for connection of ancillary devices and this device does not incorporate a LED indicator. Therefore the clauses 4.2 and 4.3 are not applicable.

Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
BRE	TE243617	2010-10-15
BRE	TE 243617-SW	2010-10-19

**TECHNICAL BASIS**

File Number	Title	Date
BBQ-130 BOM	666078FULL-0133 AV BASE SOUNDER BBQ-130 AUTRONICA	2019-05-08
02C077	Critical Component List	2019-04, Rev. 3.0