

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

Issued by DBI Certification-UK, approved body No. 8504.

In compliance with UK STATUTORY INSTRUMENT 2020 No. 1359 Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this certificate applies to the construction product

**BBR-230/IP Addressable outdoor sounder 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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**.



Merete Poulsen  
Responsible for evaluation



Chris Ellis  
Responsible for certification decision

Annex 1

EXTENT

**Type:**

BBR-230/IP Addressable outdoor sounder 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

**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.		
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	TE 243617	2010-10-15
BRE	TE 243617-SW	2010-10-19
BRE	TE221656	2005-08-18

TECHNICAL BASIS

File Number	Title	Date
BBR-230-IP BOM	654033FULL-0019 SY/R/WP BBR-230/IP AUTRONICA	2019-05-08
02C077	Critical Component List	2019-04, Rev. 3.0