

DECLARATION OF PERFORMANCE

No. 0359-CPR-00831



According to Construction Products Regulation EU No 305/2011,
Commission Delegated Regulation EU No 568/2014 and Commission
Delegated Regulation EU No 574/2014.

Product category	
Product identification	Sounder/Visual Alarm Device, Addressable
Type	BBQ-230 (indoor) and BBQ-230/IP (outdoor)
Intended use	Fire detection and fire alarm systems installed in and outside of buildings
Manufacturer	Autronica Fire and Security AS, PO Box 5620, NO-7483 Trondheim
System type	System 1
Notified body	Intertek Testing & Certification Limited
Certificate of Constancy of Performance (COP)	0359-CPR-00831
Table of performance	See table below

Table of performance

Harmonised technical specification		EN 54-3:2001 + A1:2002 +A2:2006	EN 54-17:2005 + AC:2007	EN54-23:2010
Essential Characteristics	Performance	Clause		
Performance parameters under fire conditions				
- Sound level	Pass	4.2	N/A	N/A
- Frequencies and sound pattern	Pass	4.3	N/A	N/A
- Reproducibility	Pass	5.2	5.2	N/A
- Operational performance	Pass	5.3	N/A	N/A
- Attention drawing signal and message broadcast sequences	Pass	N/A	N/A	N/A
- Synchronisation	Pass	N/A	N/A	5.3.7
- Broadcast message performance	Pass	N/A	N/A	N/A
- Attention drawing signal/silence/message sequence timing	Pass	N/A	N/A	N/A
- Message synchronisation testing	Pass	N/A	N/A	N/A
- Coverage volume	Pass	N/A	N/A	5.3.1
- Variation of luminous intensity	Pass	N/A	N/A	5.3.2
- Light colour	Pass	N/A	N/A	5.3.4
- Light pattern and frequency of flashing	Pass	N/A	N/A	5.3.5
Operational reliability				
- Requirements	Pass	N/A	4	4.2
- Durability	Pass	4.4	N/A	4.4
- Construction	Pass	4.5	N/A	4.2.3
- Marking and data	Pass	4.6	N/A	4.3.6
- Durability	Pass	5.4	N/A	5.4
- General testing	Pass	N/A	N/A	5.1

Harmonised technical specification		EN 54-3:2001 + A1:2002 +A2:2006	EN 54-17:2005 + AC:2007	EN54-23:2010
Essential Characteristics	Performance	Clause		
Durability of operational reliability, temperature resistance				
- Dry heat, (operational)	Pass	5.5	5.4	5.4.1.1
- Dry heat (endurance)	Pass	N/A	N/A	5.4.1.2*
- Cold (operational)	Pass	5.7	5.5	5.4.1.3
- Damp heat, cyclic (operational)	Pass	5.8	N/A	N/A
- Damp heat, steady state (endurance)	Pass	5.9	N/A	N/A
Durability of operational reliability, humidity resistance				
- Damp heat, cyclic (operational)	Pass	5.8	5.6	5.4.2.1
- Damp heat, steady state (endurance)	Pass	5.9	5.7	5.4.2.2
Damp heat, cyclic (endurance)	Pass	N/A	N/A	5.4.2.3*
Durability of operational reliability, corrosion resistance				
- Sulphur dioxide (SO2) corrosion (endurance)	Pass	5.11	5.8	5.4.4
Durability of operational reliability, shock and vibration resistance				
- Shock (operational)	Pass	5.12	5.9	5.4.3.1
- Impact (operational)	Pass	5.13	5.10	5.4.3.2
- Vibration, sinusoidal (operational)	Pass	5.14	5.11	5.4.3.3
- Vibration, sinusoidal (endurance)	Pass	5.15	5.12	5.4.3.4
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Durability of operational reliability, electrical stability				
- Variation in supply parameters	Pass	N/A	5.3	N/A
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16	5.13	5.4.5
Durability of operational reliability, resistance to ingress				
Enclosure protection	Pass	5.17	N/A	5.2.4

*Applies to BBQ-230/IP.

The performance of the product identified as «Product identification» and «Type» is in conformity with the declared “Table of performance”. This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of Autronica Fire and Security:

Trondheim, Norway, 2020-04-29

Name: Fabio Machado

Position: Approvals Manager


