

DECLARATION OF PERFORMANCE



According to Construction Products Regulation EU N° 305/2011

Fire detection and fire alarm systems – Part 3: Alarm devices -Sounders

Product identification	Sounder Outdoor Adressable
Type	BBR-230/IP
Intended use	Fire detection and fire alarm systems installed in buildings
Manufacturer	Autronica Fire and Security AS, PO Box 5620, 7483 Trondheim
System type	System 1
Notified body	BRE Global Limited & LPCB
Certificate of Constancy of Performance (COP)	0832-CPD-1044
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
Essential Characteristics	Performance	Clause	Clause
Performance parameters under fire conditions			
- Sound level	pass	4.2	N.A.
- Frequencies and sound pattern	pass	4.3	N.A.
- Reproducibility	pass	5.2	5.2
- Operational performance	pass	5.3	N.A.
- Attention drawing signal and message broadcast sequences	pass	N.A.	N.A.
- Synchronisation	pass	N.A.	N.A.
- Broadcast message performance	pass	N.A.	N.A.
- Attention drawing signal/silence/message sequence timing	pass	N.A.	N.A.
- Message synchronisation testing	pass	N.A.	N.A.
Operational reliability			
- Requirements		N.A..	4
- Durability	pass	4.4	N.A.
- Construction	pass	4.5	N.A.
- Marking and data	pass	4.6	N.A.
- Durability	pass	5.4	N.A.
- General testing	pass	N.A.	N.A.

Harmonised technical specification		EN 54-3:2001 + A1:2002 + A2:2006	EN 54-17:2005 + AC:2007
Durability of operational reliability, temperature resistance			
- Dry heat (operational)	pass	5.5	5.4
- Dry heat (endurance)	pass	5.6	N.A..
- Cold (operational)	pass	5.7	5.5
- Damp heat, cyclic (operational)	pass	5.8	N.A..
- Damp heat, steady state (endurance)	pass	5.9	N.A..
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Durability of operational reliability, humidity resistance			
- Damp heat, cyclic (operational)	pass	5.8	5.6
- Damp heat, steady state (endurance)	pass	5.9	5.7.
- Damp heat, cyclic (endurance)	pass	5.10	N.A..
Durability of operational reliability, corrosion resistance			
- Sulphur dioxide (SO ₂) corrosion (endurance)	pass	5.11	5.8.
Durability of operational reliability, shock and vibration resistance			
- Shock (operational)	pass	5.12	5.9
- Impact (operational)	pass	5.13	5.10
- Vibration, sinusoidal (operational)	pass	5.14	5.11
- Vibration, sinusoidal (endurance)	pass	5.15	5.12
Durability of operational reliability, electrical stability			
- Variation in supply parameters	pass	N.A..	5.3
- Electromagnetic compatibility (EMC), immunity (operational)	pass	5.16	5.13
Durability of operational reliability, resistance to ingress			
- Enclosure protection	pass	5.17	N.A..

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, 2013-05-23

A handwritten signature in blue ink, reading "Lene Anne Heimann". The signature is written in a cursive style with a large initial 'L'.