



# DECLARATION OF PERFORMANCE No. 60.1005431

According to the Construction Products Regulation  
305/2011 + S.I. 2019/465 + S.I. 2020/1359

**Unique identification code of the product type:** Brand(s): Autronica  
Model(s): *see Model listing*

**Type, batch, or serial number:** *Each individual product is identified with a label containing a unique serial number*

**Intended use:** Fire detection and fire alarm systems

**Name, registered trade name, or registered trademark and contact address of the manufacturer:** Autronica Fire & Security AS  
Bromstadvegen 59,  
NO-7483 Trondheim  
Norway

**Name and contact address of the authorized representative:** --

**System or systems of AVCP:** System 1

**Declaration of performance concerning a construction product is covered by a harmonised standards:** *DBI Certification-UK Ltd. - 8504*, performed type testing, the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued a certificate of constancy of performance: **8504-UKCA-CPR-UKCSP10118, 8504-UKCA-CPR-UKCSP10109.**

EN 54-5:2017+A1:2018  
EN 54-7:2018  
EN 54-17:2005

## Declared performance:

Essential characteristics	Performance	Harmonised technical specification:
<b>EN 54-5:2017+A1:2018 <sup>1)</sup></b>		
Nominal activation conditions / Sensitivity	Pass	EN 54-5:2017+A1:2018 Clause: 4.3.1 to 4.3.6
Operational reliability	Pass	EN 54-5:2017+A1:2018 Clause: 4.2.1 to 4.2.7
Response delay (response time)	Pass	EN 54-5:2017+A1:2018 Clause: 4.4.1, 4.4.2
Tolerance to supply voltage	Pass	EN 54-5:2017+A1:2018 Clause: 4.5
Durability of nominal activation conditions/Sensitivity; temperature resistance	Pass	EN 54-5:2017+A1:2018 Clause: 4.6.1.1, 4.6.1.2
Durability of nominal activation conditions/Sensitivity; humidity resistance	Pass	EN 54-5:2017+A1:2018 Clause: 4.6.2.1, 4.6.2.2
Durability of nominal activation conditions/Sensitivity; corrosion resistance	Pass	EN 54-5:2017+A1:2018 Clause: 4.6.3
Durability of nominal activation conditions/Sensitivity; vibration resistance	Pass	EN 54-5:2017+A1:2018 Clause: 4.6.4.1 to 4.6.4.4
Durability of nominal activation conditions/Sensitivity; electrical stability EMC immunity (operational)	Pass	EN 54-5:2017+A1:2018 Clause: 4.6.5
1) Regulatory classes A1, A1R, A1S, A2S, B, C see CPR certificate for more information		
<b>EN 54-7:2018</b>		
Nominal activation conditions/sensitivity	Pass	EN 54-7:2018 Clause: 4.3.1 to 4.3.3
Operational reliability	Pass	EN 54-7:2018 Clause: 4.2.1 to 4.2.8
Tolerance to supply voltage	Pass	EN 54-7:2018 Clause: 4.5

Signature of representative/manufacturer:



Tomasz Dowgiąłło, Compliance Leader  
Carrier Fire & Security B.V.  
Kelvinstraat 7,  
6003 DH Weert, NL.

Place: Gdańsk, PL

Date: 6 October 2023

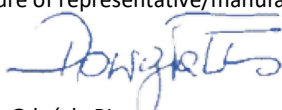
Performance parameters under fire conditions	Pass	EN 54-7:2018 Clause: 4.6
Response delay (response time)	Pass	EN 54-7:2018 Clause: 4.4.1, 4.4.2
Durability of nominal activation conditions/Sensitivity; Temperature resistance	Pass	EN 54-7:2018 Clause: 4.7.1.1, 4.7.1.2
Durability of nominal activation conditions/Sensitivity; humidity resistance	Pass	EN 54-7:2018 Clause: 4.7.2.1, 4.7.2.2
Durability of nominal activation conditions/Sensitivity; corrosion resistance	Pass	EN 54-7:2018 Clause: 4.7.3
Durability of nominal activation conditions/Sensitivity; vibration resistance	Pass	EN 54-7:2018 Clause: 4.7.4.1 to 4.7.4.4
Durability of nominal activation conditions/Sensitivity; electrical stability EMC immunity (operational)	Pass	EN 54-7:2018 Clause: 4.7.5
<b>EN 54-17:2005</b>		
Performance under fire conditions	Pass	EN 54-17:2005 Clause: 5.2 <sup>1)</sup>
Operational reliability	Pass	EN 54-17:2005 Clause: 4
Durability of operational reliability; temperature resistance	Pass	EN 54-17:2005 Clause: 5.4, 5.5
Durability of operational reliability; vibration resistance	Pass	EN 54-17:2005 Clause: 5.9 to 5.12
Durability of operational reliability; humidity resistance	Pass	EN 54-17:2005 Clause: 5.6, 5.7
Durability of operational reliability; corrosion resistance	Pass	EN 54-17:2005 Clause: 5.8
Durability of operational reliability; electrical stability	Pass	EN 54-17:2005 Clause: 5.3, 5.13
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		

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation 305/2011 + S.I. 2019/465 + S.I. 2020/1359, under the sole responsibility of the manufacturer identified above.

**Model listing** (List of all product variants or models for which this declaration is valid):

Model	Description
BDH-200/SPARE	V-430/BD200 AutoGuard Retro variant - replaces heat detector 116-BDH-200
BDH-300/SPARE	V-430/BD300 AutoGuard Retro variant - replaces heat detector 116-BDH-300
BDH-500/SPARE	V-530/BD500 AutoGuard Retro variant - replaces heat detector 116-BDH-500
BDH-500/EX/SPARE	V-530-EXIA/BD500 AutoGuard Retro variant - replaces heat detector 116-BDH-500/EX
BDH-500/N/SPARE	V-530-EXIC/BD500 AutoGuard Retro variant - replaces heat detector 116-BDH-500/N
BHH-220/SPARE	V-430/BH220 AutoGuard Retro variant - replaces multi detector 116-BHH-220
BHH-320/SPARE	V-430/BH320 AutoGuard Retro variant - replaces multi detector 116-BHH-320
BHH-520/SPARE	V-530/BH520 AutoGuard Retro variant - replaces multi detector 116-BHH-200
BHH-520/EX/SPARE	V-530-EXIA/BH520 AutoGuard Retro variant - replaces multi detector 116-BHH-520/EX
BHH-520/N/SPARE	V-530-EXIC/BH520 AutoGuard Retro variant - replaces multi detector 116-BHH-520/N
BHH-200/SPARE	V-430/BH200 AutoGuard Retro variant - replaces smoke detector 116-BHH-200
BHH-300/SPARE	V-430/BH300 AutoGuard Retro variant - replaces smoke detector 116-BHH-300
BHH-500/SPARE	V-530/BH500 AutoGuard Retro variant - replaces smoke detector 116-BHH-500
BHH-500/EX/SPARE	V-530-EXIA/BH500 AutoGuard Retro variant - replaces smoke detector 116-BHH-500/EX
BHH-500/N/SPARE	V-530-EXIC/BH500 AutoGuard Retro variant - replaces smoke detector 116-BHH-500/N
BHH-500/S/SPARE	V-530/HS-BH500 AutoGuard Retro variant - replaces smoke detector 116-BHH-500/S
BHH-500/S/EX/SPARE	V-530-EXIA/HS/BH500 AutoGuard Retro variant - replaces smoke detector 116-BHH-500/S/EX
BHH-500/S/N/SPARE	V-530-EXIC/HS/BH500 AutoGuard Retro variant - replaces smoke detector 116-BHH-500/S/N

Signature of representative/manufacturer:



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