

DECLARATION OF PERFORMANCE No. 60.1016894 rev1

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

Unique identification code of the product type:	Brand(s): Autronica Model(s): <i>see Model listing</i>
Type, batch, or serial number:	<i>Each individual product is identified with a label containing a unique serial number</i>
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 designated standards: EN 54-10:2002+A1:2005 EN 54-17:2005+AC:2007	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-UKCSP10269

Declared performance:

Essential characteristics	Performance	Harmonized technical specification:
BG-301 Triple IR Flame Detector Class 1, 2, 3		
Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions	Pass	EN 54-10:2002+A1:2005 Clause: 4.2, 5.2 to 5.6
Operational reliability	Pass	EN 54-10:2002+A1:2005 Clause: 4.3 to 4.9
Tolerance to supply voltage	Pass	EN 54-10:2002+A1:2005 Clause: 5.16
Durability of operational reliability and response delay; Temperature resistance	Pass	EN 54-10:2002+A1:2005 Clause: 5.7, 5.8
Durability of operational reliability; vibration resistance	Pass	EN 54-10:2002+A1:2005 Clause: 5.12 to 5.15
Durability of operational reliability; humidity resistance	Pass	EN 54-10:2002+A1:2005 Clause: 5.9, 5.10
Durability of operational reliability; corrosion resistance	Pass	EN 54-10:2002+A1:2005 Clause: 5.11
Durability of operational reliability; electrical stability	Pass	EN 54-10:2002+A1:2005 Clause: 5.17
Performance under fire conditions	Pass	EN 54-17:2005+AC:2007 Clause: 5.2
Operational reliability	Pass	EN 54-17:2005+AC:2007 Clause: 4
Durability of operational reliability; temperature resistance	Pass	EN 54-17:2005+AC:2007 Clause: 5.4, 5.5
Durability of operational reliability; vibration resistance	Pass	EN 54-17:2005+AC:2007 Clause: 5.9 to 5.12
Durability of operational reliability; humidity resistance	Pass	EN 54-17:2005+AC:2007 Clause: 5.6, 5.7
Durability of operational reliability; corrosion resistance	Pass	EN 54-17:2005+AC:2007

Signature of representative/manufacturer: Aleksandra Strzelec-Sierpińska, Compliance Team Manager
Autronica Fire & Security AS
Bromstadvegen 59,
NO-7483 Trondheim, Norway

		Clause: 5.8
Durability of operational reliability; electrical stability	Pass	EN 54-17:2005+AC:2007 Clause: 5.3, 5.13

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. 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
BG-301	AutroFlame BG-301 Triple IR Flame detector
BG-301-EXIA	AutroFlame BG-301-EXIA Triple IR Flame detector Ex ia version
BG-301-EXIC	AutroFlame BG-301-EXIC Triple IR Flame detector Ex ic version

Signature of representative/manufacturer:

Aleksandra Strzelec-Sierpińska, Compliance Team Manager
 Autronica Fire & Security AS
 Bromstadvegen 59,
 NO-7483 Trondheim, Norway

Place: Gdańsk, PL
Date: 19 July 2024