

DECLARATION OF PERFORMANCE



No. 921615700_59_001

1. Unique identification code of the product-type: **BSR-6157**

 2. Intended use/es: Analogue addressable, optical smoke and rate-of-rise heat detector with integrated isolator for use in fire detection and alarm systems for buildings.

 3. Manufacturer: Olympia Electronics N. Lakasas – P. Arvanitidis S.A., 72nd klm old national road Thessaloniki-Katerini, 60300 Eginio, Pieria, Greece

 4. System/s AVCP: System 1

 5. Harmonized standard:
EN 54-5:2017 +A1:2018 Fire detection and fire alarm systems - Part 5: Heat detectors - Point detectors

EN 54-7:2018 Fire detection and fire alarm systems – Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionization

EN 54-17:2005 +Ac:2007 Fire detection and fire alarm systems - Part 17: Short-circuit isolators
- Notified body/ies: EVPU AS, No. 1293

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6. Declared performance/s:

Essential characteristics	Performance	Harmonised technical specification		
		EN 54-5:2017 +A1:2018	EN 54-7:2018	EN 54-17:2005 +AC:2007
Operational reliability	PASS	4.2.1, 4.2.2, 4.2.3=N/A, 4.2.4, 4.2.5, 4.2.6, 4.2.7	4.2.1 to 4.2.3, 4.2.4=N/A, 4.2.5 to 4.2.8	4
Nominal activation conditions / Sensitivity	PASS	4.3.1 to 4.3.3, 4.3.4=N/A, 4.3.5, 4.3.6	4.3.1 to 4.3.3	----
Response delay (response time)	PASS	4.4.1, 4.4.2	4.4.1, 4.4.2	----
Tolerance to supply voltage	PASS	4.5.1	4.5	----
Performance under fire conditions	PASS	----	4.6	5.2
Durability of Nominal activation condition / Sensitivity: Temperature resistance	PASS	4.6.1.1, 4.6.1.2=N/A	4.7.1.1, 4.7.1.2	5.4, 5.5
Durability of Nominal activation condition / Sensitivity: Humidity resistance	PASS	4.6.2.1, 4.6.2.2	4.7.2.1, 4.7.2.2	5.6, 5.7
Durability of Nominal activation condition / Sensitivity: Corrosion resistance	PASS	4.6.3	4.7.3	5.8
Durability of Nominal activation condition / Sensitivity: Vibration resistance	PASS	4.6.4.1 to 4.6.4.4	4.7.4.1 to 4.7.4.4	5.9 to 5.12
Durability of Nominal activation condition / Sensitivity: Electrical stability	PASS	4.6.5	4.7.5	5.3, 5.13

7. 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 (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

8. Signed for and on behalf of:



Elias Tsologiannis, R&D engineer

Eginio, Pieria, Greece 11/3/2021