



# EVPÚ<sup>®</sup>

NOTIFIED BODY No. 1293

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0749

In compliance with the *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

### **Analogue addressable optical smoke and rate-of-rise heat detector with integrated isolator BSR-6157**

For specifications see Annex to this certificate

placed on the market under the name or trade mark of

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

and produced in the manufacturing plant

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

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

**EN 54-5: 2017+A1: 2018**

**EN 54-7: 2018**

**EN 54-17:2005**

**EN 54-17:2005/AC:2007**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

### **constancy of performance of the construction product.**

This certificate was first issued on January 12<sup>th</sup>, 2021 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Nová Dubnica, January 12<sup>th</sup>, 2021  
053882



Marek H u d á k  
Director NB

## Annex to Certificate No. 1293 - CPR – 0749 from January 12<sup>th</sup>, 2021

### Technical Specifications

The BSR-6157 is an analogue addressable smoke detector which integrates functions of optical smoke and heat detection and it can work with any fire panel supports Olympia A Protocol. It can be adjusted to detect multiple levels of smoke and heat. The BSR-6157 integrates a short circuit isolation circuit which is automatically activated and disconnects the defective node from the remaining loop, allowing it to be located by the panel.

The user can select A1R or A1S working mode through the panel.

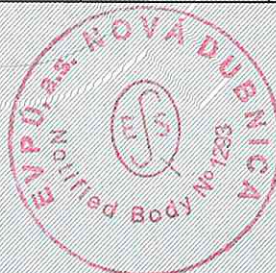
The indicator led blinks every 10 sec indicating the connection status with the main panel.

Main voltage: 12-30 V DC

Class (according to EN54-5) A1R / A1S

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

Nová Dubnica, January 12<sup>th</sup>, 2021



  
 Marek Hudák  
 Director NB