EVPÚ®

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0685

In compliance with *Regulation (EU) No 305/2011 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 detector with integrated isolator
BSR-6155

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 described in Annex ZA of the standards

EN 54-7: 2000
EN 54-7: 2000/A1: 2002
EN 54-7: 2000/A2: 2006
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 April 16th, 2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

EVPÚ, a.s. NOVÁ DUBNICA Notified Body No. 1293

Nová Dubnica, April 16th, 2020

Marek H u d á k
Director NB

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Annex to Certificate No. 1293 - CPR – 0685 from April 16th, 2020

General Information:

The BSR-6155 is an analogue addressable smoke detector which integrates the function of optical smoke detection and it can work with any fire panel supports Olympia A Protocol. It can be adjusted to detect multiple levels of smoke offering flexibility and rich functionality. Also, it 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 detector sends to the main panel an analogue value which depends on the concentration of smoke.The value is 100 in concentration of 0.107dB/m (small amount of smoke) and increases proportionally to 120 in concentration of 0.300dB/m.

Technical specifications:

Communication protocol	Olympia A Protocol
Main voltage	12-30 V DC
Standby consumption	195 μA
Alarm consumption	2.5 mA (with activated LED)
Indicators	alarm LED
Degree of cover protection	IP42
Operating temperature range	-40 °C to +70 °C
Relative humidity	Up to 95 %
Construction materials	ABS/PC
External dimensions	103 (d) x 48 (h) mm
typical weight	160 gr.

Essential characteristics	**Harmonised technical specification**		**Performance**
	EN 54-7:2000 EN 54-7:2000/A1:2002 EN 54-7:2000/A2:2006	**EN 54-17:2005 EN 54-17:2005/ AC:2007**	
Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions	cl. 4.8, 5.2 to 5.4, 5.6, 5.7, 5.18	cl. 5.2	**Pass**
Operational reliability	cl. 4.2 to 4.5, 4.6=N/A, 4.7, 4.9 to 4.11	cl. 4	**Pass**
Tolerance to supply voltage	cl.5.5	---	**Pass**
Durability of operational reliability and response delay: temperature resistance	cl. 5.8, 5.9	cl. 5.4, 5.5	**Pass**
Durability of operational reliability: humidity resistance	cl. 5.10, 5.11	cl. 5.6, 5.7	**Pass**
Durability of operational reliability: vibration resistance	cl. 5.13 to 5.16	cl. 5.9 to 5.12	**Pass**
Durability of operational reliability: corrosion resistance	cl. 5.12	cl. 5.8	**Pass**
Durability of operational reliability: electrical stability	cl. 5.17	cl. 5.3, 5.13	**Pass**

EVPÚ, a.s. NOVÁ DUBNICA Notified Body №1293

Nová Dubnica, April 16th, 2020

Marek H u d á k
Director NB