



EVPU[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0747

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

Optical smoke and rate of rise heat detector BS-657/A

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

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 12th, 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 12th, 2021

053880



Marek H u d á k
Director NB

Annex to Certificate No. 1293 - CPR – 0747 from January 12th, 2021

Technical specifications

The BS-657/A is a conventional smoke detector which integrates functions of optical smoke and heat detection. It can detect smoke and heat. The detector transitions to alarm state when the concentration of smoke reaches 0.107dB/m or when temperature reaches 57°C. Also, the detector transitions to alarm state when the temperature rises suddenly by 32°C regardless of the initial temperature at the beginning of the sudden rise event.

They are composed by two parts. A plastic base which is placed on the ceiling and the main body of the detector which fits on the plastic base with a simple rotation to the right. The detectors have a 360° visible led and a remote led driver which are light up constantly in case of detection of fire, till cancelled from the panel. They are turned off only when a reset command is given from the panel. The indicator led blinks every 6 sec indicating the normal function.

Class (according to EN54-5) A1R

Operating voltage 17-30 V DC

Essential characteristics	Harmonised technical specification		Performance
	EN 54-5: 2017+ A1: 2018	EN 54-7: 2018	
Operational reliability	cl. 4.2.1, 4.2.2, 4.2.3=N/A, 4.2.4, 4.2.5, 4.2.6=N/A, 4.2.7	cl. 4.2.1 to 4.2.3, 4.2.4=N/A, 4.2.5 to 4.2.8	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=N/A, 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	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	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	Pass
Durability of Nominal activation condition / Sensitivity: Corrosion resistance	cl. 4.6.3	cl. 4.7.3	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	Pass
Durability of Nominal activation condition / Sensitivity: Electrical stability	cl. 4.6.5	cl. 4.7.5	Pass



Nová Dubnica, January 12th, 2021


 Marek Hudák
 Director NB