

# DECLARATION OF PERFORMANCE



No. 921210400\_59\_002

1. Unique identification code of the product-type: **BSR-2104**
2. Intended use/es: Addressable, 2 loops fire detection and alarm control panel for use in fire detection and fire alarm systems installed in buildings.
3. Manufacturer: Olympia Electronics N. Lakasas – P. Arvanitidis S.A., 72<sup>nd</sup> klm old national road Thessaloniki – Katerini, Kolindros, Pieria, Greece P.O. 60061
4. System/s of AVCP: System 1
5. Harmonized standards: EN 54-2:1997 +A1:2006 Fire detection and fire alarm systems – Part 2: Control and indicating equipment  
  
EN 54-4: 1997 +A1:2002 +A2:2006 Fire detection and fire alarm systems – Part4: Power supply equipment

Notified body/ies: BRE Global Assurance (Ireland) Limited, No. 2831

6. Declared performance/s:

Essential characteristics	Performance	Harmonized technical specification:		
		EN 54-2:1997 +A1:2006	EN 54-4:1997 +A1:2002 +A2:2006	Comments
Operational reliability	PASS	4 <sup>a</sup> , 5 <sup>a</sup> , 6 <sup>a</sup> , 7 <sup>a</sup> , 8 <sup>a</sup> , 9 <sup>a</sup> , 10 <sup>a</sup> , 12 <sup>a</sup> , 13 <sup>a</sup> , 14 <sup>a</sup>	4 <sup>b</sup> , 5 <sup>b</sup> , 6 <sup>b</sup> , 7 <sup>b</sup> , 8 <sup>b</sup>	a, b
Durability of operational reliability: Temperature resistance	PASS	15.4	9.5	
Durability of operational reliability: Vibration resistance	PASS	15.6, 15.7, 15.15	9.7, 9.8, 9.15	
Durability of operational reliability: Humidity resistance	PASS	15.5, 15.14	9.6, 9.14	
Durability of operational reliability: Electrical stability	PASS	15.8 to 15.13	9.9 to 9.13	
Response delay (response time to fire)	PASS	7.1, 7.7, 7.11		a
Performance under fire conditions	PASS	4, 5, 7		a, b
Performance of power supply	PASS		4, 5, 6	b

*Comments:*

*a) The product has been certified with the available options with requirements of the harmonized technical specification EN 54-2:1997 +A1:2006 which are mentioned below.*

*7.8 Output to fire alarm devices*

*7.9.1 Output to fire alarm routing equipment*

*7.10.1 Outputs to fire protection equipment (Type A)*

*7.10.4 Fault monitoring of fire protection equipment*

*7.11 Delays to outputs*

*7.13 Alarm counter*

*8.3 Fault signals from points*

*8.9 Output to fault warning routing equipment*

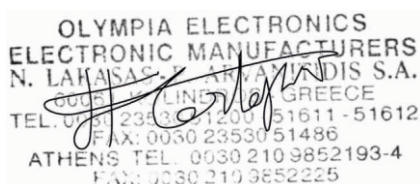
*9.5 Disabling of addressable points*

*10 Test condition*

*b) The product covered by the standards that are mentioned above is assumed to function during the alarm condition, in an event of fire, before the fire becomes as large as to affect its functioning. There is therefore no requirement to function when exposed to direct attack from fire.*

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.

Signed for and on behalf of the manufacturer by:



Elias Tsologiannis, R&D engineer

Eginio, Pieria, Greece 18/3/2020