



# EVPÜ<sup>®</sup>

NOTIFIED BODY No. 1293

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0658 Rev.1

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

**Fire detection and alarm control panel  
BSR-1004, BSR-1002, BSR-1001  
(it can work with BSR-1000 repeater panel)**

For specifications see Annex No.1 and No.2 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 54-2: 1997, EN 54-2: 1997/AC: 1999, EN 54-2: 1997/A1: 2006,  
EN 54-4: 1997, EN 54-4: 1997/AC: 1999,  
EN 54-4: 1997/A1: 2002, EN 54-4: 1997/A2: 2006**

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 March 19<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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, March 19<sup>th</sup>, 2021

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Dušan Novotný  
Director NB

**Annex No. 1 to Certificate No. 1293 - CPR – 0658 Rev.1 from March 19<sup>th</sup>, 2021**

**Technical specifications**

The BSR-100X series of Analogue Addressable Fire Alarm Panels consists of 3 models (1, 2 and 4 loop connections), named BSR-1001, BSR-1002 and BSR-1004 respectively, all sharing the same control interface, functionality and indications.

All BSR-100X models include 4 outputs for conventional sirens, an alarm relay, a fault relay and a programmable auxiliary relay.

Two 12V lead acid (Pb) batteries are required in each control panel. The supported battery capacity is 7Ah, 9Ah, 12Ah or 15Ah, which must be calculated in accordance with the size of the installation (number of devices) and the required emergency duration (during mains interruption).

The available loop output connections are: 1 for BSR-1001, 2 for BSR-1002 and 4 for BSR-1004. Each loop output connection can support up to 150 addressable units (smoke and heat detectors, addressable sirens, manual fire call points, etc).

The control panel's LCD screen displays information regarding the current state of the fire detection system. The front face is also equipped with LED indicators for essential indications (alarm, fault, status, zones, etc). The LED indicators are divided into groups, according to their purpose. Their color also define their event type, red LEDs indicate alarm, yellow LEDs indicate status or fault, green LED indicates the mains power

Description	BSR-1001 Analogue Addressable Fire Alarm Panel 1 Loop / 128 Zones	BSR-1002 Analogue Addressable Fire Alarm Panel 2 Loops / 128 Zones	BSR-1004 Analogue Addressable Fire Alarm Panel 4 Loops / 128 Zones
Loop circuits	1 loop 150 addressable points 400mA max current	2 loops 150 addressable points per loop 400mA max current per loop	4 loops 150 addressable points per loop 400mA max current per loop

The external control panel BSR-1000 is a repeater panel for BSR-100X series panels (BSR-1001, BSR-1002, BSR-1004) and allows the general monitoring of the system. The BSR-1000 through its build-in screen and keypad user can perform basic control such as Reset, Evacuate and Siren silence. Similar to BSR-1001, BSR-1002, BSR-1004 the BSR-1000 has the same functionality as far as the indicators, screen and keypad concerns, as well as the Menu structure. The only difference is some functions limitation, i.e. the screen on the right is shown on menus that repeaters cannot access, preventing wrong actions. The control panel's LCD screen displays information regarding the current state of the fire detection system. The front face is also equipped with LED indicators for essential indications (alarm, fault, status, zones, etc). The LED indicators are divided into groups, according to their purpose. Their color also define their event type, red LEDs indicate alarm, yellow LEDs indicate status or fault, green LED indicates the mains power.

The external control panel BSR-1000 include alarm relay, fault relay, auxiliary relay, power supply and two 12V lead acid (Pb) batteries. The supported battery capacity is 7Ah, 9Ah, 12Ah or 15Ah.



Nová Dubnica, March 19<sup>th</sup>, 2021

Dušan Novotný  
Director NB

**Annex No. 2 to Certificate No. 1293 - CPR – 0658 Rev.1 from March 19<sup>th</sup>, 2021**

List of optional functions with requirements included in the			
Clause	Description	Yes (Y)	No (N)
7.8	Output to the fire alarm device	Y	
7.9	Control of fire alarm routing equipment	N	
7.9.1	Output to fire alarm routing equipment	N	
7.9.2	Alarm confirmation input from fire alarm routing equipment	N	
7.10	Output to fire protection equipment	N	
7.10.1	Output type A	N	
7.10.2	Output type B	N	
7.10.3	Output type C	N	
7.10.4	Fault monitoring of fire protection equipment	N	
7.11	Delay to outputs	Y	
7.12	Dependencies on more than one alarm signal	Y	
7.12.1	Type A dependency	Y	
7.12.2	Type B dependency	N	
7.12.3	Type C dependency	N	
7.13	Alarm counter	Y	
8.3	Fault signals from points	Y	
8.4	Total loss of the power supply	N	
8.9	Output to fault warning routing equipment	N	
9.5	Disablement of addressable points	Y	
10	Test condition	Y	
11	Standardized input/output interface	N	

Essential characteristics	Harmonised technical specification		Performance
	EN 54-2:1997 EN 54-2:1997 / AC:1999 EN 54-2:1997 / A1:2006	EN 54-4:1997 EN 54-4:1997 / AC:1999 EN 54-4:1997 / A1:2002 EN 54-4:1997 / A2:2006	
Performance under fire conditions	cl. 4, 5, 7	---	Pass
Performance of power supply	---	cl. 4, 5, 6	Pass
Response delay (response time to fire)	cl. 7.1, 7.7, 7.11, 7.12=N/A	---	Pass
Operational reliability	cl. 4, 5, 6, 7, 8, 9, 10, 11=N/A, 12, 13, 14	cl. 4, 5, 6, 7, 8	Pass
Durability of operational reliability and response delay: temperature resistance	cl. 15.4	cl. 9.5	Pass
Durability of operational reliability: vibration resistance	cl.15.6,15.7,15.15	cl. 9.7, 9.8, 9.15	Pass
Durability of operational reliability: electrical stability	cl. 15.8, 15.9 to 15.12=N/A, 15.13	cl. 9.9, 9.10 to 9.13=N/A	Pass
Durability of operational reliability: humidity resistance	cl. 15.5, 15.14	cl. 9.6, 9.14	Pass

**History of certification**

No.	Certificate No.	Description	Date of issue
1	1293-CPR-0658	Original certificate issued	October 25 <sup>th</sup> , 2019
2	1293-CPR-0658 Rev.1	Testing with repeater BSR-1000	March 19 <sup>th</sup> , 2021

Nová Dubnica, March 19<sup>th</sup>, 2021

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