





Date :February 7th, 2020

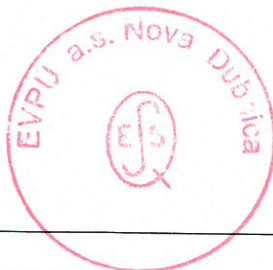
CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	9-0015/20 9-0015/1/20 9-0015S/20	CERTIFICATE NUMBER	1293 – CPR – 0679
DATE OF ISSUE	January 30 th , 2020 January 30 th , 2020 January 30 th , 2020	DATE OF ISSUE	February 7 th , 2020
DATE OF EXPIRY	N/A	DATE OF EXPIRY	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Olympia Electronics N. Lakasas – P. Arvanitidis S.A.	NAME OF THE BRAND	Olympia Electronics
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	72nd klm old national road Thessaloniki - Katerini, 60300 Eginio, Greece	MODEL / NO	Waterproof addressable sounder with beacon and integrated isolator BSR-5132/WP
WEBSITE	http://www.olympia-electronics.gr	LOGO ON THE PRODUCT	 
TEL	+30 23530 51200	EMAIL	info@olympia-electronics.gr





Product Details From Test Report		Reference Test Report page NO																										
<p>DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)</p>	<p>The device is used as an indication of a fire panel that sounds a warning signal from the siren and provides visual indication using the beacon. It is compatible with fire panels that support Olympia A Protocol.</p> <p>The BSR-5132/WP integrates an isolator short circuit which activates automatically by disconnecting the defective node from the loop and allowing it's detection though the panel.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>Olympia A Protocol</td> </tr> <tr> <td>Main voltage</td> <td>12-30 V DC</td> </tr> <tr> <td>Standby consumption</td> <td>90 μA</td> </tr> <tr> <td>Alarm consumption</td> <td>7.4 to 35.9 mA</td> </tr> <tr> <td>Max. sound level in 1 meter</td> <td>101 dB</td> </tr> <tr> <td>Beacon</td> <td>1 power LED</td> </tr> <tr> <td>Enviromental type</td> <td>Type B</td> </tr> <tr> <td>Degree of cover protection</td> <td>IP65</td> </tr> <tr> <td>Operating temperature range</td> <td>-25 °C to +70 °C</td> </tr> <tr> <td>Relative humidity</td> <td>Up to 95 %</td> </tr> <tr> <td>Construction materials</td> <td>ABS/PC, PC</td> </tr> <tr> <td>External dimensions</td> <td>127 x 137 x 82 mm</td> </tr> <tr> <td>Typical weight</td> <td>313 g</td> </tr> </table>	Communication protocol	Olympia A Protocol	Main voltage	12-30 V DC	Standby consumption	90 μ A	Alarm consumption	7.4 to 35.9 mA	Max. sound level in 1 meter	101 dB	Beacon	1 power LED	Enviromental type	Type B	Degree of cover protection	IP65	Operating temperature range	-25 °C to +70 °C	Relative humidity	Up to 95 %	Construction materials	ABS/PC, PC	External dimensions	127 x 137 x 82 mm	Typical weight	313 g	<p>Manual BSR-5132/WP Page 1</p>
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<p>TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)</p>	<p>EN 54-3: 2001 EN 54-3: 2001/A1: 2002 EN 54-3: 2001/A2: 2006 EN 54-17:2005 EN 54-17:2005/AC:2007 EN 54-23:2010</p>	<p>Type Test Report No. C08/18/0076/ 4201,4206/ SL-8 Page 1</p>																										
<p>TEST DESCRIPTION</p>	<p>Full testing according to whole standards EN 54-3: 2001, EN 54-3: 2001/A1: 2002, EN 54-3: 2001/A2: 2006, EN 54-17:2005, EN 54-17:2005/AC:2007 and EN 54-23:2010 including following tests:</p> <p>Performance under fire conditions Operational reliability Durability of operational reliability: temperature resistance Durability of operational reliability: humidity resistance Durability of operational reliability: shock and vibration resistance Durability of operational reliability: corrosion resistance Durability of operational reliability: electrical stability Durability of operational reliability: resistance to ingress Performed tests: Reproducibility</p>	<p>9-0015/20 (Other tests in 9-0015/1/20)</p> <p>Page 4, 5 (Page 6, 7)</p>																										






	Operational performance	Page 5, 6
	Operational reliability	(Page 7, 8)
	Performance parameters under fire conditions	(Page 8, 9)
	Durability	Page 6
	Dry heat (operational) Temperature 70°C, duration: 16 hours	Page 7
	Dry heat (endurance) Temperature 70°C, duration: 21 days	(Page 9, 10)
	Cold (operational) Temperature -25°C, duration: 16 hours	Page 8
	Dump heat cyclic (operational) 2 cycles:25°C to +55°C	(Page 10)
	Dump heat steady state (endurance) Temperature 40°C, relative humidity:93%, duration: 21 days	Page 9
	Dump heat cyclic (endurance) 6 cycles:25°C to +55°C	(Page 10, 11)
	Sulphur dioxide (SO ₂) corrosion (endurance): SO ₂ contend: 25ppm, Temperature: 25°C, Relative humidity: 93%, Duration: 21days.	Page 10
	Shock (operational) Shock pulse type: half sine, Pulse duration: 6ms, 937 m.s ⁻² , Pulse per direction:3, Number of dictions: 6	(Page 11, 12)
	Impact (operational) Impact energy: 0,5J, Number of impact: 3	Page 11
	Vibration, sinusoidal (operational): Frequency range: 10÷150Hz, acceleration amplitude: 0.5g, number of axes:3, Sweep rate: 1 octave min-1, number of sweep cycles per axis:2	(Page 12)
	Vibration, sinusoidal (endurance): Frequency range: 10÷150Hz, acceleration amplitude: 1g, number of axes:3, Sweep rate: 1 octave min-1, number of sweep cycles per axis:20	(Page 12, 13)
	Electromagnetic Compatibility (EMC), immunity tests (operational)	Page 12, 13
	Electrostatic discharge	(Page 15, 16)
	Radiated electromagnetic fields	Page 13, 14
	Conducted disturbances induced by electromagnetic fields	(Page 13)
	Fast transient burst	Page 14, 15
	Slow high energy voltage surges	(Page 13, 14)
	Enclosure protection	Page 15
	List of test equipment used:	(Page 14, 15)
	- humidity chamber CTS, model C-70/600, No. 077229	Page 16
	- vibration system DERRITRON VP400+vibromer DERRITRON SSC No. 9487	(Page 15)
	- shock tester TIRASCHOCK 4110, No. 21286	Page 17
	- SO ₂ chamber WEISS TECHNIK No. 21397	(Page 16, 17)
	- equipment to the impact test - spring hammer No. 20247	Page 18, 19
	- sound analyzer No. 21419	(Page 7, 8)





<p>SPECIFICATION OF TEST SPECIMEN</p>	<p>There were tested 19 pieces of BSR-5132/WP</p>	<p>Type Test Review No. C08/18/0076/4201,4206/SL-8 Page 1</p>																																							
<p>TEST RESULT (SUCH AS PASSED CRITERIA ___/ COMPLIED TO ___/ DURATION ___/OBSERVATION ___/ETC)</p> 	<table border="1"> <thead> <tr> <th rowspan="2">Essential characteristics</th> <th colspan="3">Harmonised technical specification</th> </tr> <tr> <th>EN 54-3:2001 EN 54-3:2001/ A1:2002 EN 54-3:2001/ A2:2006</th> <th>EN 54-17:2005 EN 54-17:2005/ AC:2007</th> <th>EN 54-23: 2010</th> </tr> </thead> <tbody> <tr> <td>Performance under fire conditions</td> <td>cl. 4.2, 4.3, 5.2, 5.3, C.3.1=N/A, C.3.2=N/A, C.5.1=N/A, C.5.2=N/A, C.5.3=N/A</td> <td>cl. 5.2</td> <td>cl. 4.3.1 to 4.3.6, 4.3.7=N/A</td> </tr> <tr> <td>Operational reliability</td> <td>cl. 4.4, 4.5, 4.6, 5.4, C4=N/A</td> <td>cl. 4</td> <td>cl. 4.2.1 to 4.2.8</td> </tr> <tr> <td>Durability of operational reliability and response delay: temperature resistance</td> <td>cl. 5.5, 5.6, 5.7, 5.8, 5.9</td> <td>cl. 5.4, 5.5</td> <td>cl. 4.4.1.1 to 4.4.1.3</td> </tr> <tr> <td>Durability of operational reliability: humidity resistance</td> <td>cl. 5.8, 5.9, 5.10</td> <td>cl. 5.6, 5.7</td> <td>cl. 4.4.2.1 to 4.4.2.3</td> </tr> <tr> <td>Durability of operational reliability: shock and vibration resistance</td> <td>cl. 5.12 to 5.15</td> <td>cl. 5.9 to 5.12</td> <td>cl. 4.4.3.1 to 4.4.3.4</td> </tr> <tr> <td>Durability of operational reliability: corrosion resistance</td> <td>cl. 5.11</td> <td>cl. 5.8</td> <td>cl. 4.4.4</td> </tr> <tr> <td>Durability of operational reliability: electrical stability</td> <td>cl. 5.16</td> <td>cl. 5.3, 5.13</td> <td>cl. 4.4.5</td> </tr> <tr> <td>Durability of operational reliability: resistance to ingress</td> <td>cl. 5.17</td> <td>---</td> <td>---</td> </tr> </tbody> </table>	Essential characteristics	Harmonised technical specification			EN 54-3:2001 EN 54-3:2001/ A1:2002 EN 54-3:2001/ A2:2006	EN 54-17:2005 EN 54-17:2005/ AC:2007	EN 54-23: 2010	Performance under fire conditions	cl. 4.2, 4.3, 5.2, 5.3, C.3.1=N/A, C.3.2=N/A, C.5.1=N/A, C.5.2=N/A, C.5.3=N/A	cl. 5.2	cl. 4.3.1 to 4.3.6, 4.3.7=N/A	Operational reliability	cl. 4.4, 4.5, 4.6, 5.4, C4=N/A	cl. 4	cl. 4.2.1 to 4.2.8	Durability of operational reliability and response delay: temperature resistance	cl. 5.5, 5.6, 5.7, 5.8, 5.9	cl. 5.4, 5.5	cl. 4.4.1.1 to 4.4.1.3	Durability of operational reliability: humidity resistance	cl. 5.8, 5.9, 5.10	cl. 5.6, 5.7	cl. 4.4.2.1 to 4.4.2.3	Durability of operational reliability: shock and vibration resistance	cl. 5.12 to 5.15	cl. 5.9 to 5.12	cl. 4.4.3.1 to 4.4.3.4	Durability of operational reliability: corrosion resistance	cl. 5.11	cl. 5.8	cl. 4.4.4	Durability of operational reliability: electrical stability	cl. 5.16	cl. 5.3, 5.13	cl. 4.4.5	Durability of operational reliability: resistance to ingress	cl. 5.17	---	---	<p>Type Test Review No. C08/18/0076/4201,4206/SL-8 Page 2</p>
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**PRODUCT APPLICATION
GUIDELINE
(END USE)**

(CLEARLY STATE THE END USE WITH
SPECIFIC APPLICATION, SUCH AS EXACT
FIRE RATING/TO BE INSTALLED
IN___/TO BE INSTALLED AT___/TO BE
CONNECTED WITH___/TO BE
INSTALLED WITH___ ETC ALONG WITH
ANY WARNINGS SUCH AS NOT TO BE
USED IN___/NOT TO BE INSTALLED
AT___/ NOT TO BE INSTALLED
WITH___ETC.

BSR-5132/WP is compatible with fire panels that support Olympia A Protocol.

Mounting Wall mounted (W)

Mountin height 2.3 m max.

The base of the siren has to be installed in the correct orintation!

Cover area 26.5 m³ max.

Enviromental type Type B (outdoor use)

Operation temperature: -25°C ÷ +70°C

Relative humidity: Up to 95%

Degree of protection: IP65


Any particular conditions applicable to the use of the product and technical specifications, possible hardware configurations, environment, electrical characteristics are shown in the Manual BSR-5132/WP.

Manual
BSR-5132/WP
Page 1-5





Laboratory and Certification body details

NAME OF CERTIFICATION BODY	EVPU a.s.	NAME OF TEST FACILITY	EVPU a.s.
CERTIFICATION BODY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	Trecianska 19, 01851 Nova Dubnica, Slovak Republic	TEST FACILITY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	Trecianska 19, 01851 Nova Dubnica, Slovak Republic
WEBSITE	www.evpu.sk/skctc	WEBSITE	www.evpu.sk/skctc
TEL	+421-42-4403 515	TEL	+421-42-4403 400
EMAIL	vrankova@evpu.sk	EMAIL	novotny@evpu.sk
ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	SNAS (Slovak National Accreditation Service) http://www.snas.sk/index.php?l=en	ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	SNAS (Slovak National Accreditation Service) http://www.snas.sk/index.php?l=en
AS PER <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	ISO/IEC 17065:2012	AS PER <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	ISO/IEC 17025:2017
VALIDITY <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	07.09.2020	VALIDITY <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	09.09.2024
REFERENCE NUMBER: <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	101 / P-012	REFERENCE NUMBER: <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	101 / S-042
CERTIFICATION MARK			





(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Dimitrios Lakasas	SIGNATURE	
EMAIL / TEL	ceo@olympia-electronics.gr	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Helena Vranková	SIGNATURE	
EMAIL / TEL	+421-42-4403 515 vrankova@evpu.sk	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

- COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)