




Date : 2017-04-10

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER <small>'Assessment Reports' are not acceptable</small>	SS16-0002357-01	CERTIFICATE NUMBER	SN.R000B1
DATE OF ISSUE	2017-04-10	DATE OF ISSUE	2017-04-10
DATE OF EXPIRY	2020-04-09	DATE OF EXPIRY	2020-04-09
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	SV SISTEMI DI SICUREZZA S.r.l.	NAME OF THE BRAND	SV SISTEMI DI SICUREZZA
FACTORY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	Via A. Cortesi 1 – 24020 Villa di Serio (BG), Italy	MODEL / NO	EXPSU20
WEBSITE	http://www.svsistemidisicurezza.com	LOGO ON THE PRODUCT	
TEL	+39 035657055	EMAIL	vincenzo.polge@sistemidisicurezza.com



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 EUT is a Power Supply Equipment (p.s.e.) intended to be used in fire detection and fire alarm systems. It consists of a box, IP30 degree of protection, containing:</p> <ul style="list-style-type: none"> - No. 2 Power supply trademark TDK-Lambda, type SWS600L-24 rated 24 V (No. 1 Power supply used for external devices and charger battery; No. 1 power supply used as a redundant power supply); - No. 1 System battery controller board trademark SV SISTEMI DI SICUREZZA, type EXPSU20 (PCB Rev. 3); - No. 1 LED board type EXPSU20-LED (PCB Rev. 1); - No. 1 Display touch screen type MODLCD (PCB Rev. 3), optional; - No. 2 Allocable batteries rated 12 V – 55 Ah. <p>Output power supplies distribution:</p> <ul style="list-style-type: none"> - 20 A current for external devices; - 3 A current for batteries recharge. 	<p>SS16-0002357-01 - Page 3</p>
<p>TEST STANDARD (SUCH AS ASTM/BS EN/ DIN ETC)</p>	<p>EN 54-4: 1997 + A1:2002 + A2: 2006</p>	<p>SS16-0002357-01 - Page 1</p>
<p>TEST DESCRIPTION</p>	<p>EN 54-4: 1997 + A1:2002 + A2: 2006 Clause 4.2 Power source Clause 5.1 Power supply from the main power source Clause 5.2 Power supply from the standby power source (battery) Clause 5.3 Charger Clause 5.4 Faults Clause 6.1 Manufacturer's declaration Clause 6.2 Mechanical design Clause 6.3 Electrical design Clause 7.1 User's documentation Clause 7.2 Design documentation Clause 8 Marking Clause 9.2 Functional tests (Test 1 to Test 9) Clause 9.3 Test of the charger and the standby power source Clause 9.4 Environmental tests Clause 9.5 Cold (operational) Clause 9.6 Damp heat, steady state (operational) Clause 9.7 Impact (operational) Clause 9.8 Vibration, sinusoidal (operational) Clause 9.9 Electromagnetic Compatibility (EMC), Immunity test (operational) Clause 9.14 Damp heat, steady state (endurance) Clause 9.15 Vibration, sinusoidal (endurance) ANNEX ZA - CLAUSES OF THIS EUROPEAN STANDARD ADDRESSING ESSENTIAL REQUIREMENTS OF THE CONSTRUCTION PRODUCTS OR OTHER PROVISIONS OF EU DIRECTIVES</p>	<p>SS16-0002357-01 - Page 6 to 23</p>



<p>SPECIFICATION OF TEST SPECIMEN</p>	<p>The EUT, provided with all the units described in the section "DESCRIPTION OF THE PRODUCT", as stated in clause 9.1 of standards EN 54-4, has been subjected to all the above mentioned tests.</p>	<p>SS16-0002357-01 - Page 3</p>
<p>TEST RESULT (SUCH AS PASSED CRITERIA ___ COMPLIED TO ___/ DURATION ___/OBSERVATION ___/ETC)</p>	<p>Tests results are satisfactory</p>	<p>SS16-0002357-01 - Page 5</p>
<p>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.</p>	<p>This product must be installed, connected up and used in accordance with current legislation and/or installation standards. The information regarding standards, specifications and design developments contained in this publication may not be up to date. Always contact us to obtain the latest information. The staff in charge of installation, commissioning and start-up of this equipment must be aware of the correct working procedures to ensure safety and proper use. The Power Supply Equipment will be derived directly from an electrical switchboard via a reserved line, this line will be protected by a disconnecting device in compliance with local regulations. The minimum size recommended for the earth connection is 2.5 mm², unless otherwise specified in the respective documentation. The EXPSU20 has a front panel with keypad, LCD and LED, this model is suitable for installation in sites where they are needed visual and manual checks. EXPSU20 is a power supply for powering fire detection and fire alarm systems. All signaling is indicated on the display and on LEDs.</p> <p>Features:</p> <ul style="list-style-type: none"> • Switching power supply with battery charging capabilities; • Output to fault signal; • 24 V output for powering external devices. <p>Other:</p> <ul style="list-style-type: none"> • internal use; • ratings: 230 V^m +10% / -15%; 50/60 Hz; 4.5 A - Output: 25.6 V⁻ ; 23 A; • permanent connection to the mains; • equipment mobility: stationary (wall mounting); • Class I equipment; • Over voltage category II; • IP 30 protection class; • pollution degree PD2; • ambient temperature of -5 °C + 40 °C 	<p>SS16-0002357-01 - Page 2 to 23</p>



Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	IMQ S.p.A.	NAME OF TEST FACILITY	IMQ S.p.A.
CERTIFICATION BODY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	I-20138 Milano -Via Quintiliano, 43	TEST FACILITY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	I-20138 Milano -Via Quintiliano, 43
WEBSITE	www.imq.it	WEBSITE	www.imq.it
TEL	+39 0250731	TEL	+39 0250731
EMAIL	cecilia.cantaluppi@imq.it	EMAIL	cecilia.cantaluppi@imq.it
ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	ACCREDIA – Ente Italiano di Accreditamento www.accredia.it	ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	ACCREDIA – Ente Italiano di Accreditamento www.accredia.it
AS PER <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	EN ISO/IEC 17065:2012	AS PER <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	EN ISO/IEC 17025:2005
VALIDITY <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	2021-03-09	VALIDITY <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	2020-07-06
REFERENCE NUMBER: <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	005B	REFERENCE NUMBER: <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0121
CERTIFICATION MARK	IMQ SPA		

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Vincenzo Polge	SIGNATURE	
EMAIL / TEL	vincenzo.polge@sistemidisicurezza.com +39 035657055	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	Mauro Casari	SIGNATURE	
EMAIL / TEL	mauro.casari@imq.it +39 025073707	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)