Building & Life Safety Technologies
Northbrook, IL US
For UAE certificate of compliance use only.

Date: 2018-10-16

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	S2984-19851021	**CERTIFICATE NUMBER**	UNIU.S35688
DATE OF ISSUE	1985-10-21	**DATE OF ISSUE**	2016-11-21
DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service.	**DATE OF EXPIRY**	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service.
Manufacturer details (TO BE COMPLETED BY CLIENT)			
NAME OF FACTORY/ MANUFACTURER	R S G INC	**NAME OF THE BRAND**	Avenger Systems LLC
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	2700 Junipero Ave Signal Hill, CA 90755 USA	**MODEL / NO**	AS3045-10, AS3045-50, AS3045-16, AS3045-56, AS3053-10, AS3053-16, AS3052-10, AS3046-10, AS3046-16, AS3048-10, AS3048-16, AS3049-10, AS3049-16, AS3051-10, AS3051-16
WEBSITE	www.rsgsecutiry.com	**LOGO ON THE PRODUCT**	AVENGER
TEL	(562) 529-5100	**EMAIL**	sales@avengersystems.com

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Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Boxes, Noncoded - This category covers non-coded fire alarm boxes, which are boxes having electrical contacts actuated to change their normal position when a part is operated manually so as to produce a non-coded signal. This category also covers protective covers for fire alarm boxes. Boxes, noncoded, Models AS3045-10, AS3045-50, AS3045-16, AS3045-56, AS3053-10, AS3053-16, AS3052-10, AS3046-10, AS3046-16, AS3048-10, AS3048-16, AS3049-10, AS3049-16, AS3051-10, AS3051-16.	S2984- 19851021
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	UL 38 – "Manual Signaling Boxes for Fire Alarm Systems" 1.1 These requirements cover manual signaling boxes for fire alarm systems intended for permanent installation and used in ordinary locations in accordance with the National Electrical Code, NFPA 70, and the National Fire Alarm Code, NFPA 72. 1.2 A manual signaling box is an assembly of a mechanism having electrical contacts designed to transmit a signal when an integral part is operated manually. The signaling contacts are intended to be connected to circuits of fire alarm systems. The types of boxes covered by these requirements are coded boxes and non-coded boxes, including signaling boxes, fire and guard's tour reporting stations, and guard's tour reporting stations for suppressed-signal tour combinations. 1.3 A manual signaling box having a pre-wound signaling mechanism and equipped with a tripping electromagnet to permit automatic actuation by separate detectors, and similar combination devices, shall be evaluated with regard to compliance with the applicable requirements for both manual signaling boxes and electrically-actuated transmitters. 1.4 A manual signaling box shall be constructed for use with system-control units, electrically-actuated transmitters, or similar units that will permit its application in compliance with applicable codes and standards of the National Fire Protection Association. 1.5 These requirements do not cover electrically-actuated transmitters. 2 General 2.1 Components 2.1.1 Except as indicated in 2.1.2, a component of a product covered by this standard shall comply with	S2984- 19851021

Building & Life Safety Technologies
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	the requirements for that component. See Appendix A for a list of standards covering components used in the products covered by this standard. 2.1.2 A component is not required to comply with a specific requirement that: a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or b) Is superseded by a requirement in this standard. 2.1.3 A component shall be used in accordance with its rating established for the intended conditions of use. 2.1.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.	
TEST DESCRIPTION	The following tests from the referenced standard(s), as applicable to the products submitted, were conducted:	S2984- 19851021

UL 38, Sec.	Test Name
14.1	Normal Operation Test - General
14.2	Normal Operation Test - Coded signaling boxes
14.3	Normal Operation Test - Non-coded signaling boxes
14.4	Normal Operation Test - Watchman's suppressed-signaling tour devices
15	Circuit Emergency Operation
16	Overcurrent and Undercurrent Operation Test
17.1	Overload and Endurance Test - General
17.2	Overload and Endurance Test - Watchman's suppressed-signaling tour devices
18	Jarring Test
19	Drop Test
20	Temperature Test
21	Electric Shock Current Test
22.2	Corrosion Tests - Indoor-use signaling boxes
22.3	Corrosion Tests - Outdoor-use signaling boxes
23	Transient Test
24	Dielectric Voltage-Withstand Test
25	Abnormal Operation Test
26	Burnout Test
27	Impact Test for Enclosures
28	Polymeric Materials Tests

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	29.2 Outdoor-Use Signaling Box Tests - Water spray test 29.3 Outdoor-Use Signaling Box Tests - Variable temperature test 29.4 Outdoor-Use Signaling Box Tests - Humidity test The results of this investigation including evaluation and testing indicate that the products are complied with applicable requirements of the Standard ANSI/UL 38, "Standard for Safety for Manual Signaling Boxes for Fire Alarm Systems" and therefore, such products are judged eligible to bear UL's Mark.	
SPECIFICATION OF TEST SPECIMEN	The samples used for testing and evaluation were representative of the submitted products.	S2984- 19851021
TEST RESULT **(SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)**	Pass – Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service.	S2984- 19851021
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.**	This category covers non-coded fire alarm boxes, which are boxes having electrical contacts actuated to change their normal position when a part is operated manually so as to produce a non-coded signal. This category also covers protective covers for fire alarm boxes.	S2984- 19851021

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Laboratory and Certification body details

NAME OF CERTIFICATION BODY	UL LLC	**NAME OF TEST FACILITY**	UL LLC Facility
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road Northbrook, IL 60062 USA	**TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road Northbrook, IL 60062 USA
WEBSITE	www.ul.com	**WEBSITE**	www.ul.com
TEL	1-877-854-3577	**TEL**	1-877-854-3577
EMAIL	FireandSecurity@ul.com	**EMAIL**	FireandSecurity@ul.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	American National Standards Institute (ANSI) as a product certification body www.ansi.org	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	International Accreditation Services (IAS) www.iasonline.org
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC Guide 65	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	Active as of date of issuance of this certificate	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	Active as of date of issuance of this certificate
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Accreditation ID #0198	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Accreditation ID# TL-157
CERTIFICATION MARK	UL		

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER (TO BE COMPLETED BY CLIENT)			
NAME OF MANUFACTURER'S SIGNATORY	Helen Moyer	**SIGNATURE**	Helen Moyer
EMAIL / TEL	Helen@RSGSecurity.com 562-529-5100	**FACTORY OFFICIAL SEAL**	AMES / RSG INCORPORATED JULY 12, 1996 CALIFORNIA
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	Gilberto Astacio	**SIGNATURE**	Gilberto Astacio
EMAIL / TEL	Gilberto.Astacio@ul.com (847) 664-1341	**CERTIFICATION BODY OFFICIAL SEAL**	UL Building & Life Safety Technologies Northbrook, IL US For UAE Certificate of Compliance use only
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)**