

دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعاهد التدريب

Date: 2024-01-11

## **CERTIFICATE OF COMPLIANCE**

This	Certificate of Complia	nce Validates the F	ollowing
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	E230764-20160119	CERTIFICATE NUMBER	UUMW.E230764
DATE OF ISSUE	20160119	DATE OF ISSUE	2023-08-25
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.
	Manufact	urer Details	
NAME OF FACTORY/ MANUFACTURER	EUROPEAN SAFETY SYSTEMS LTD	NAME OF THE BRAND	E2S
		NAME OF THE BRAND  MODEL / NO	E2S  ML15FV070, ML25FV070, ML15FV725, ML25FV725, ML25HV725  See details on Page 8
MANUFACTURER  FACTORY ADDRESS / REGION	IMPRESS HOUSE MANSELL RD. LONDON W3 7QH UNITED		ML15FV070, ML25FV070, ML15FV725, ML25FV725, ML25HV725



دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعآهد التدريب

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)	Speakers and Amplifiers for Fire-protective Signaling Systems  This category covers speakers, amplifiers and their accessories investigated for use in fire alarm and/or emergency communication systems.	E230764- 20160119	
	ANSI/UL 1480, "Speakers for Fire Alarm and Signaling Systems, Including Accessories - Edition 7, Issue Date 05/26/2023"  1 Scope  1.1 These requirements apply to speakers, rated at 300 V or less, for fire alarm and signaling systems intended for indoor and/or		
	outdoor installation:  a) In Canada only: in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, and with ULC-S524, Standard for Installation of Fire Alarm Systems.	E230764- 20160119	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	b) In the United States only: in accordance with the National Electrical Code, NFPA 70, and the National Fire Alarm and Signaling Code, NFPA 72.  1.2 These requirements apply to speakers for use in ordinary (non-hazardous or non-corrosive) locations.		
	1.3 This Standard also covers protective covers and other accessories used with speakers.		
	1.4 Speakers for use in hazardous or corrosive locations shall comply with the requirements of this Standard and the applicable requirements:	:	
	a) In Canada only: CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, with respect to the hazard or category classification.		



دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعاهد التدريب

- b) In the United States only: the National Electrical Code, NFPA 70.
- 1.5 Each product or device referred to as a speaker in this Standard is a speaker assembly suitable for separate installation as a component of a fire alarm system.
- 1.6 A supplementary visual signal, incorporated as part of a speaker which is intended for fire alarm application shall comply with the requirements of this Standard and the applicable requirements of the Standard for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories, ULC 526 and UL 1638.
- 1.7 Speakers intended for use with fire alarm systems and having integral amplifiers shall comply with the requirements in this standard in addition to the applicable requirements in:
- a) In Canada only: ULC 527, Standard for Control Units for Fire Alarm Systems.
- b) In the United States only: UL 864, Control Units and Accessories for Fire Alarm Systems.
- 1.8 Speakers intended for installations requiring a low frequency (520 Hz) notification to awaken sleeping persons shall also be evaluated to:
- a) In Canada only: ULC 527, Control Units for Fire Alarm Systems.
- b) in the United States only: UL 864, Standard for Control Units and Accessories for Fire Alarm Systems.
- 1.9 Speakers intended for use in air-handling spaces (plenums) shall comply with the requirements in this standard and the requirements in:
- a) In Canada only: ULC-S142, Standard Method of Fire Test for Heat and Visible Smoke Release for Discrete Products.
- b) In the United States only: UL 2043, Standard for Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces.
- 1.10 These requirements do not cover the following:



دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للنفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعاهد التدريب

	- Carrier - Transport			
	a) Speakers in	tended for personal or private co	insumer use;	
	b) Speakers w audio applicat	hich are intended for commercia ions; and	l or professional	
	c) Speakers in	tended for security applications.		l
		tests from the referenced standa	ard(s), as	
		the products submitted, were co		
	Standard	Test	Standard Section	
	UL 1480	General	17	
	UL 1480	Samples	18	
	UL 1480	Input Test	19	
	UL 1480	Frequency Response and Output Sound Pressure Level	20	
	UL 1480	Directional Characteristic	21	
	UL 1480	Temperature Rise	22	
	UL 1480	Dielectric Voltage- Withstand	23	l
	UL 1480	Evaluation of Reduced Spacings on Printed-Wiring Boards	24	
	UL 1480	Endurance	25	E230764
TEST DESCRIPTION	UL 1480	Variable Ambient Temperature	26	20160119
	UL 1480	Humidity Test	27	
S	UL 1480	Abnormal Operation and Burnout	28	
	UL 1480	Component Stress	29	
	UL 1480	Jarring	30	
	UL 1480	Vibration	31	
	UL 1480	Strain Relief	32	1
	UL 1480	Corrosion Test	33	
	UL 1480	Water Spray	34	
	UL 1480	Polarity Reversal	35	
	UL 1480	Electric Shock Current	36	
	UL 1480	Tests on Polymeric (Plastic) Materials	37	
	UL 1480	Mechanical Strength Tests for Enclosures	38	



دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعاهد التدريب

	UL 1480	Interference from Radio Frequency and Electromagnetic Radiation	39	
	UL 1480	Evaluation of Conformal Coatings on Printed Wiring Boards	40	
	UL 1480	Locked Rotor Test	41	
	UL 1480	Battery-Powered Units	42	
	The results of this investigation including evaluation and to indicate that the products are complied with the applicable requirements of the Standard ANSI/UL 1480 - "Standard for Speakers for Fire Alarm and Signaling Systems, Including Accessories," and therefore, such products are judged eligibear UL's Mark.			
SPECIFICATION OF TEST SPECIMEN	The samples used for testing and evaluation were considered representative of the submitted products.			E230764- 20160119
TEST RESULT (SUCH AS PASSED CRITERIA/ COMPLIED TO/ DURATION/OBSERVATION/ETC)		ose products bearing the UL Mar be Certified and covered under L		E230764- 20160119
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 IN_/TO BE INSTALLED IN_HOT TO BE INSTALLED AT_/ NOT TO BE INSTALLED WITHETC.	investigated for communication  Speakers have greater meast noise over a rainimum aud Accessories, so respect to both used with speakers are parts are specific parts each part referand installation.	e been investigated for audible ou ured at 10 ft, when powered from ange of 400 - 4000 Hz. The units a	ency  atput of 75dBA or  a source of pink  are marked with a  estigated with  sideration when  ertifications.  embly of two or  single package, the  rtifications and  The marking on  nat show assembly  product.  t to specified	E230764- 20160119



دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للنفاع المننى لجنة اعتماد المختبر ات العالمية وبيوت الخبرة ومعاهد التدريب

distortion. These products are not to be confused with amplifiers tested as elements of control unit adjunct systems for personnel emergency relocation and evacuation; see Control Unit Accessories, System (UOXX). Amplifiers used in adjunct systems are suitable for use only in specified configurations.

All products covered under this category are intended for indoor use only, unless otherwise specifically identified as suitable for outdoor use by markings on the product and in the individual certifications.

Speakers and/or amplifiers and their accessories that have been investigated for mounting in air-handling spaces are specifically identified by markings on the product and in the individual certifications. Installation details are shown on the product or are provided in a separate installation document provided with the product and referenced in the marking on the product.

## **PRODUCT MARKINGS**

Each product is marked to indicate its intended use as indicated in the individual certifications.



دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعاهد التدريب

Laboratory and Certification Body Details			
NAME OF CERTIFICATION BODY	טג גנכ	NAME OF TEST FACILITY	UL LLC Facility Underwriters Laboratories of Canada
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road, Northbrook, IL, USA	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road, Northbrook, IL, USA 7 Underwriters Road, Toronto, ON, M1R 3A9, Canada
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 ansi.org	ACCREDITED BY  (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WERSITE)	International Accreditation Services (IAS) iasonline.org
AS PER (STANDARD TO WHICH THE CENTIFICATION BODY IS ACCREDITED TO)	ISO/IEC 17065	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO/IEC 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	Active as of date of issuance of this certificate	VALIDITY (EXPRY 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	(U)		



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NAME OF MANUFACTURER'S SIGNATORY	Alan King	SIGNATURE	
EMAIL / TEL	Alan.king@e2s.com/ +44 (0) 20 8746 4326	FACTORY OFFICIAL SEAL	INDIFERN SAFETY SYSTEMS LTD Impress Nouse Manse! Road London, GB, W3 70H

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Shruti Parekh	SIGNATURE	Sparelle
EMAIL/TEL	shruti.parekh@ul.com/ +14162882278	CERTIFICATION BODY OFFICIAL SEAL	Building & Life Safety Technologies Northbrook, IL US For Life Configure of Care famous area code.

## **ATTACHMENTS:**

Trademark and/or Tradename: 28

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

COMPANY E230764 **European Safety Systems Ltd** Impress House Mansell Rd London, W3 7QH United Kingdom Speakers Model(s) ML15FV070, ML15FV725, ML25FV725, ML25HV725, ML25FV070