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SAFETY

SCIENTIFIC AND RESEARCH CENTRE
FOR FIRE PROTECTION
NATIONAL RESEARCH INSTITUTE

DC/0680/2664/10896/2021

Józefów, 24 November 2021

Mr. Junyong Tao
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South China Modern Chinese Medicine Park,
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Peoples Republic of China
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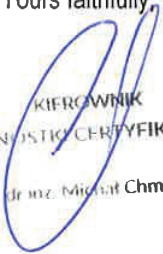
Re: Sending of certificates of compliance no. DC-UAE-0101, DC-UAE-0102, DC-UAE-0103.

Due to the fact that the process of certification have ended successfully, attached you will find the certificates and customers satisfaction form.

To ensure the highest quality of customer service, please verify the records on the certificate. In case of any mistakes please contact CNBOP-PIB Certification Department by phone +48 22 76 93 347 or by email: jcw@cnbop.pl.

At the same time we would like to point out that according to § 2 of agreement: "The Holder is obliged to use only the current issue of certificate. Without the consent of CNBOP-PIB, the certificate cannot be represented otherwise than as a whole".

Yours faithfully,


KIEROWNIK
JEDNOSTKI CERTYFIKUJĄCEJ
Dr inż. Michał Chmiel

Attachments:

1. Certificates
2. Customers Satisfaction Form (electronic version to fill in)

Notified body in the European Union – no. 1438

Accreditation Certificates of Polish Centre for Accreditation: AB 059, AB 060, AB 207, AB 1280, AC 063

Quality Management System compliance with the requirements of PN-EN ISO 9001:2009

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Bank account no.: PL 78 1090 1753 0000 0001 0130 3937





Date: June 30, 2021

This Certificate replaces Certificate No. DC – UAE – 0101 dated March 28, 2019.

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 2124/BA/16 with the amendment 2. 222/BA/17	CERTIFICATE NUMBER	DC – UAE – 0101
DATE OF ISSUE	1. March 27, 2017 (amendment dated July 11, 2017) 2. June 30, 2017	DATE OF ISSUE	June 30, 2021
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	June 27, 2027
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Zhongshan Eurotec Electronics Ltd.	NAME OF THE BRAND	TANNOY
FACTORY ADDRESS / REGION	No. 10 Wanmei Road, South China Modern Chinese Medicine Park, Nanlang Town Zhongshan City, Guangdong, Peoples Republic of China	MODEL / NO	VLS 7 (EN54), VLS 15 (EN54)
WEBSITE	www.musictribe.com	LOGO ON THE PRODUCT	
TELEPHONE	+86 760 85163400 ext (9) 8375	EMAIL	JunYong.Tao@musictribe.com





Product Details From TestReport				Reference Test Report Page No.		
DESCRIPTION OF THE PRODUCT	Loudspeaker for voice alarm systems type VLS 7 (EN54) and VLS 15 (EN54) (TANNOY brand) (Detailed specification below)			3		
TESTS STANDARD	EN 54-24:2008: Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers			10 (2124/BA/16) 9 (222/BA/17)		
TESTS DESCRIPTION	Requirements, test methods and performance criteria for loudspeakers intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.			10 (2124/BA/16) 9 (222/BA/17)		
SPECIFICATION OF TEST SPECIMEN	Loudspeaker type:	VLS 7 (EN54)	VLS 15 (EN54)	4-5 (2124/BA/16) 4 (222/BA/17)		
	Transformer type:	J60-00001-40605				
	Loudspeaker power voltage [V]:	70 / 100				
	Loudspeaker rated power [W]:	150				
	Loudspeaker output setting on the transformer taps [W]:	70 V: 150 / 75 / 37,5 / 19 / 9,5 / 5 100 V: 150 / 75 / 37,5 / 19 / 9,5				
	Loudspeaker impedance [Ω]:	12				
	Impedance of transformer – for particular terminals[Ω]:	33 / 66 / 133 / 265 / 520 / 1000				
	Maximum sound pressure level (rated power / 4m) [dB]:	91	96			
	Sensitivity S (1W / 4m) [dB]:	76				
	Coverage angle for 500 Hz [°]	horizontal – 360 vertical – 129	horizontal – 226 vertical – 114			
	Coverage angle for 1kHz [°]	horizontal – 202 vertical – 62	horizontal – 191 vertical – 57			
	Coverage angle for 2kHz [°]	horizontal – 137 vertical – 49	horizontal – 131 vertical – 32			
	Coverage angle for 4kHz [°]	horizontal – 127 vertical – 40	horizontal – 119 vertical – 27			
	Type of work environment:	B				
	IP protection:	33C				
	Terminals:	plastic material and metal connection block				
	Type of installation:	surface wall mounted				
	Dimensions of loudspeaker with housing [mm]:	816,5 x 121 x 146				
	Material of housing:	metal, plastic material				
	Mass [g]:	9900	10800			
	Optional elements	Identifying data				
	Fuse activation parameter:	not applicable	24V / 35W			
	Type of capacitor:	not applicable				
Filter:	not applicable					
Type of additional protection:	not applicable					
TESTS RESULTS	EN 54-24	Frequency response limits	PASS	11-22 (2124/BA/16) 9 (222/BA/17)		
	EN 54-24	Reproducibility	PASS			
	EN 54-24	Rated impedance	PASS			
	EN 54-24	Horizontal and vertical coverage angles	PASS			
	EN 54-24	Maximum sound pressure level	PASS			
	EN 54-24	Durability	PASS			
	EN 54-24	Construction	PASS			
	EN 54-24	Marking and data	PASS			
	EN 54-24	Rated noise power (durability)	PASS			
	EN 54-24 - EN 60529	Enclosure protection IP 33C	PASS			
	EN 54-24 - EN 60068-2-2	Dry heat (operational)	PASS			
	EN 54-24 - EN 60068-2-2	Dry heat (endurance)	PASS			
	EN 54-24 - EN 60068-2-1	Cold (operational)	PASS			
	EN 54-24 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS			
	EN 54-24 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS			
	EN 54-24 - EN 60068-2-30	Damp heat, cyclic (endurance)	PASS			
	EN 54-24 - EN 60068-2-42	Sulphur dioxide corrosion (endurance)	PASS			
	EN 54-24 - EN 60068-2-27	Shock (operational)	NOT APPLICABLE			
	EN 54-24 - EN 60068-2-75	Impact (operational)	PASS			
	EN 54-24 - EN 60068-2-6	Sinusoidal vibration (operational)	PASS			
	EN 54-24 - EN 60068-2-6	Sinusoidal vibration (endurance)	PASS			
	PRODUCT APPLICATION GUIDELINE	A54-0002-21379 VLS 7 (EN54) and VLS 15 (EN54) are outdoor loudspeakers. They are made of metal and plastic material. The loudspeakers are surface wall mounted type. These products VLS 7 (EN54) and VLS 15 (EN54) have to be used with Voice Alarm System.			Not applicable	



Laboratory and Certification Body Details			
NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpozarowej Państwowy Instytut Badawczy	NAME OF TEST FACILITY	CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej
CERTIFICATION BODY ADDRESS / REGION	ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND	TEST FACILITY ADDRESS / REGION	ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND
WEBSITE	www.cnbop.pl	WEBSITE	www.cnbop.pl
TELEPHONE	+48 22 769 33 47	TELEPHONE	+48 22 769 32 26
EMAIL	jcw@cnbop.pl	EMAIL	ba@cnbop.pl
ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl	ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl
AS PER	EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services	AS PER	EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
VALIDITY	October 3, 2022	VALIDITY	October 11, 2021
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK	 CNBOP-PIB		
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY		SIGNATURE	
EMAIL / TELEPHONE		FACTORY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		
(ENDORSEMENT) TO BE CERTIFICATION BODY			
NAME AND SURNAME OF CERTIFICATION BODY SIGNATORY	st. bryg. dr inż. Paweł Janik	SIGNATURE	 
EMAIL / TELEPHONE	cnbop@cnbop.pl +48 22 769 33 00	CERTIFICATION BODY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHMENT:

COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438-CPR-0540 ISSUE 4 ISSUED BY CERTIFICATION BODY