



Date: January 13, 2020

CERTIFICATE OF COMPLIANCE

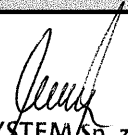
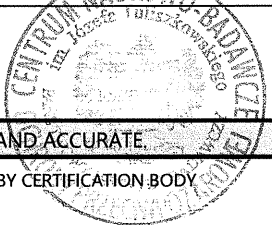
This certificate of compliance validates the following			
TEST REPORT NUMBER	1779/BA/19	CERTIFICATE NUMBER	DC – UAE – 0144
DATE OF ISSUE	December 6, 2019	DATE OF ISSUE	January 13, 2020
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	January 12, 2030
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Ambient-System Sp. z o. o.	NAME OF THE BRAND	Ambient-System Sp. z o. o.
FACTORY ADDRESS / REGION	ul. Galaktyczna 37 80-299 Gdańsk Republic of Poland	MODEL / NO	ABT-W6W, ABT-W6WC
WEBSITE	www.ambientsystem.eu	LOGO ON THE PRODUCT	
TELEPHONE	+48 58 345 51 95	EMAIL	ambient@ambientsystem.pl





Product Details From Test Report			Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Loudspeaker for voice alarm systems type ABT-W6W, ABT-W6WC (Detailed specification below)		(3) 1779/BA/19
TESTS STANDARD	EN 54-24:2008: Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers		(7) 1779/BA/19
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.		(7-8) 1779/BA/19
SPECIFICATION OF TEST SPECIMEN	Loudspeaker type:	ABT-W6W	ABT-W6WC
	Transformer type:	TF06-TF	
	Loudspeaker power voltage [V]:	70 / 100	
	Loudspeaker rated power [W]:	6	
	Loudspeaker output setting on the transformer taps [W]:	70V: 3 / 1,5 / 0,75 / 0,37 100V: 6 / 3 / 1,5 / 0,75	
	Loudspeaker impedance [Ω]:	8	
	Impedance of transformer – for particular terminals[Ω]:	1667 / 3333 / 6667 / 13333	
	Maximum sound pressure level (rated power / 4m) [dB]:	84	85
	Sensitivity S (1W / 4m) [dB]:	78	79
	Coverage angle for 500 Hz [°]	horizontal – 320 vertical – 290	
	Coverage angle for 1kHz [°]	horizontal – 160 vertical – 140	
	Coverage angle for 2kHz [°]	horizontal – 95 vertical – 100	
	Coverage angle for 4kHz [°]	70	
	Type of work environment:	A	
	IP protection:	21C	
	Terminals:	ceramic connection block	
	Type of installation:	surface wall or ceiling mounted	
	Dimensions of loudspeaker with housing [mm]:	254 x 196 x 78	
	Material of housing:	wood-based material	
	Mass [g]:	1810	1820
	Optional elements	Identifying data	
	Fuse activation parameter:	250V, 5A, 130°C	
	Type of capacitor:	not applicable	4,7µF 250V
	Filter:	not applicable	
	Type of additional protection:	not applicable	
TESTS RESULTS	EN 54-24	Frequency response limits	PASS
	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 21C	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)	NOT APPLICABLE
	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)	NOT APPLICABLE
	EN 54-24 - EN 60068-2-42	Sulphur dioxide corrosion (endurance)	PASS
	EN 54-24 - EN 60068-2-27	Shock (operational)	PASS
	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	09.01.2020	ABT-W6W, ABT-W6WC are an indoor loudspeakers. They are made of wood-based material. They may be recessed into a wall or suitable ceiling. The loudspeakers for voice alarm systems type ABT-W6W, ABT-W6WC are equipped with a thermal fuse. The loudspeaker for voice alarm systems type ABT-W6WC is equipped with a capacitor. Loudspeakers for voice alarm systems type ABT-W6W, ABT-W6WC has 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	Ambient-System Sp. z o.o. V-ce President Bogusław Adamczyk	SIGNATURE	 AMBIENT-SYSTEM Sp. z o.o. 80-298 Gdańsk, ul. Bysewska 27 Tel. 58 345 51 95 REGON 190061698 NIP 584-030-22-20
EMAIL / TELEPHONE	ambient@ambient-system.pl tel 58 345 51 95	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.		

ATTACHEMENT:

COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438-CPR- 0699 ISSUED BY CERTIFICATION BODY