



Date: March 5, 2019

CERTIFICATE OF COMPLIANCE

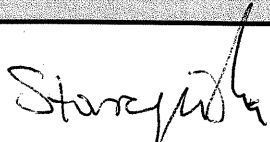
This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 1380/BA/18 2. 766/BA/18	CERTIFICATE NUMBER	DC - UAE - 0111
DATE OF ISSUE	1. February 2, 2019 2. May 17, 2018	DATE OF ISSUE	March 5, 2019
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	March 4, 2029
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Ambient-System Sp. z o. o.	NAME OF THE BRAND	Edwards
FACTORY ADDRESS / REGION	ul. Galaktyczna 37 80-299 Gdańsk	MODEL / NO	EST-S206B, EST-S206BC
WEBSITE	www.ambientsystem.eu	LOGO ON THE PRODUCT	
TELEPHONE	+48 58 345 51 95	EMAIL	secretariaat.nederland@fs.utc.com





Product Details From Test Report			Reference Test Report Page No.			
DESCRIPTION OF THE PRODUCT	Loudspeaker for voice alarm systems type EST-S206B, EST-S206BC (Detailed specification below)		(3) 1380/BA/18 766/BA/18			
TESTS STANDARD	EN 54-24:2008: Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers		(6) 1380/BA/18 (7) 766/BA/18			
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.		(6-7) 1380/BA/18 (7-8) 766/BA/18			
	Loudspeaker type:	EST-S206B EST-S206BC	(4) 1380/BA/18 766/BA/18			
	Typ transformatora:	HAVBY-CPD-6W				
	Loudspeaker power voltage [V]:	70 / 100				
	Loudspeaker rated power [W]:	6				
	Loudspeaker output setting on the transformer taps [W]:	70 V: 3 / 1,5 / 0,75 / 0,37 100 V: 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]:	88				
	Sensitivity S (1W / 4m) [dB]:	81				
	Coverage angle for 500 Hz [°]	180				
	Coverage angle for 1kHz [°]	180				
	Coverage angle for 2kHz [°]	95				
	Coverage angle for 4kHz [°]	70				
	Type of work environment:	A				
	IP protection:	21C				
	Terminals:	ceramic connection block				
	Type of installation:	recessed into wall or ceiling made of plasterboard suspended ceiling mounted hanging				
	Dimensions of loudspeaker with housing [mm]:	Ø 199 x 115				
	Material of housing:	metal				
	Mass [g]:	1130 1140				
	Optional elements:	Identifying data				
	Fuse activation parameter:	130°C				
	Type of capacitor:	not applicable 4,7 µF J 250V MPT				
	Filter:	not applicable				
	Type of additional protection:	safety line				
		EN 54-24		Frequency response limits	PASS	(7) 1380/BA/18 (8-18) 766/BA/18
		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)	NOT APPLICABLE			
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)	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		Vibration (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	27.02.2019	EST-S206B and EST-S206BC are indoor loudspeakers. They are made of metal. They are recessed into a wall or ceiling made of plasterboard. In addition they are mounted to suspended ceiling or hanging. The loudspeaker for voice alarm systems type EST-S206BC is equipped with a capacitor. Loudspeakers for voice alarm systems type EST-S206B, EST-S206BC are used for voice alarm systems.		Not applicable		

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	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpowozarowej Państwowy Instytut Badawczy	NAME OF TEST FACILITY	CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej
CERTIFICATION BODY ADDRESS / REGION	ul. Nadwiślanska 213 05-420 Józefów REPUBLIC OF POLAND	TEST FACILITY ADDRESS / REGION	ul. Nadwiślanska 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			
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	Ambient-System Sp. z o.o. CEO Marcin Starzyński	SIGNATURE	 AMBIENT-SYSTEM Sp. z o.o. 80-299 Gdańsk, ul. Galaktyczna 37 Tel./fax/058/345 51 95; 343 18 77 REGON 190061698
EMAIL / TELEPHONE	ambient@ambientsystem.pl +48 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	bryg. dr inż. Jacek Zboina	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