



Date: January 29, 2018

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 653/BA/14 2. 366/BA/17 issue 2	CERTIFICATE NUMBER	DC - UAE - 0082
DATE OF ISSUE	1. July 30, 2014 2. January 17, 2018	DATE OF ISSUE	January 29, 2018
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	September 22, 2024
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Polon-Alfa Spółka z ograniczoną odpowiedzialnością Sp. k.	NAME OF THE BRAND	POLON-ALFA
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	MODEL / NO	SAW-6001, SAW-6006
WEBSITE	www.polon-alfa.pl	LOGO ON THE PRODUCT	
TELEPHONE	+48 52 36 39 269	EMAIL	export@polon-alfa.pl tomasz.piaskowski@polon-alfa.pl





Product Details From Test Report			Reference Test Report Page No.	
DESCRIPTION OF THE PRODUCT	Sounder type SAW-6000 with base G-40S in options SAW-6001 and SAW-6006 (Detailed specification below)		4	
TESTS STANDARD	EN 54-3:2001+A1:2002+A2:2006 Fire detection and fire alarm systems - Part 3: Fire alarm devices - Sounders EN 54-17:2005+AC:2007 Fire detection and fire alarm systems - Part 17: Short-circuit isolators		7 (653/BA/14) 5 (366/BA/17 issue 2)	
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		5 ÷ 7 (653/BA/14) 5 ÷ 6 (366/BA/17 issue 2)	
	Type:	SAW-6001 SAW-6006	4	
	Supply voltage [V DC]:	24		
	Quiescent current [A]:	< 0,00001		
	Alarm current [A]:	≤ 0,1 for 9,6 V DC ÷ 16 V DC ≤ 0,05 for 16 V DC ÷ 30 V DC		
	Sound level (1 m) [dB]:	≤ 103		
	Voice signaling device:	not applicable yes		
	Synchronization function:	yes		
	Maximum voltage at which the device isolates [V DC]:	6		
	Minimum voltage at which the device isolates [V DC]:	3		
	Maximum voltage at which the device reconnects [V DC]:	24,6		
	Minimum voltage at which the device reconnects [V DC]:	16,5		
	Type of work environment:	A		
	IP protection:	IP 21C		
	Type of installation:	surface ceiling mounted suspended ceiling mounted		
	Dimensions [mm]:	Ø 115 x 70 (with base)		
	Material of housing:	plastic material		
	Mass [g]:	200		
TESTS RESULTS	EN 54-3	Sound level	PASS	8 ÷ 13 (653/BA/14) 6 ÷ 8 (366/BA/17 issue 2)
	EN 54-3	Frequencies and sound pattern	PASS	
	EN 54-3	Reproducibility	PASS	
	EN 54-3	Operational performance	PASS	
	EN 54-3	Attention drawing signal and message broadcast sequences	PASS	
	EN 54-3	Synchronisation	PASS	
	EN 54-3	Broadcast message performance	PASS	
	EN 54-3	Attention drawing signal/silence/message sequence timing	PASS	
	EN 54-3	Message synchronisation testing	PASS	
	EN 54-3	Durability	PASS	
	EN 54-3	Construction	PASS	
	EN 54-3	Marking and data	PASS	
	EN 54-3	Durability	PASS	
	EN 54-3	General testing	PASS	
	EN 54-3 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-3 - EN 60068-2-2	Dry heat (endurance)	NOT APPLICABLE	
	EN 54-3 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-3 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-3 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (endurance)	NOT APPLICABLE	
	EN 54-3 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS	
EN 54-3 - EN 60068-2-27	Shock (operational)	PASS		
EN 54-3	Impact (operational)	PASS		
EN 54-3 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
EN 54-3 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS		
EN 54-3 - EN 50130-4	Electromagnetic compatibility (EMC), immunity (operational)	PASS		
EN 54-3 - EN 60529	Enclosure protection IP 21C	PASS		



United Arab Emirates

Ministry of interior

Civil Defense G.H.Q

Fire intentional Lab & House
of Expertise & Training Center

Approval Committee



دولة الإمارات العربية المتحدة

وزارة الداخلية

القيادة العامة للدفاع المدني

لجنة اعتماد المختبرات العالمية

وبيوت الخبرة ومعاهد التدريب

	EN 54-17 EN 54-17 EN 54-17 - EN 60068-2-2 EN 54-17 - EN 60068-2-1 EN 54-17 - EN 60068-2-27 EN 54-17 EN 54-17 - EN 60068-2-6 EN 54-17 - EN 60068-2-6 EN 54-17 - EN 60068-2-30 EN 54-17 - EN 60068-2-78 EN 54-17 - EN 60068-2-42 EN 54-17 EN 54-17 - EN 50130-4	Reproducibility Requirements Dry heat (operational) Cold (operational) Shock (operational) Impact (operational) Vibration, sinusoidal (operational) Vibration, sinusoidal (endurance) Damp heat, cyclic (operational) Damp heat, steady state (endurance) Sulphur dioxide (SO ₂) corrosion (endurance) Variation in supply parameters Electromagnetic compatibility (EMC), immunity tests (operational)	PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS	
PRODUCT APPLICATION GUIDELINE	KK-E347/01.2018 KK-E347/01.2018/EN	Sounder type SAW-6000 with base G-40S in options SAW-6001 and SAW-6006 is equipped with short-circuit isolator. It is designed for acoustic signalization of fire with tones (SAW-6001) or voice messages (SAW-6006). Sounder type SAW-6000 with base G-40S in options SAW-6001 and SAW-6006 has to be used with fire detection and fire alarm systems.	Not applicable	



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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, 2018	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	Dariusz Nagański	SIGNATURE	
EMAIL / TELEPHONE	+48 52 36 39 261 export@polon-alfa.pl	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 hab. inż. Dariusz Wróblewski	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-0390 ISSUED BY CERTIFICATION BODY