




Date: September 23, 2024

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 366/BA/17 issue 2 2. 653/BA/14	CERTIFICATE NUMBER	DC - UAE - 0288
DATE OF ISSUE	1. January 17, 2018 2. July 30, 2014	DATE OF ISSUE	September 23, 2024
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	September 22, 2034
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	POLON-ALFA S.A.	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 39 278	EMAIL	export@polon-alfa.pl justyna.kasierska@polon-alfa.pl





Product Details From Test Report		Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Sounder type SAW-6000 with socket G-40S in varieties SAW-6001 and SAW-6006 with short-circuit isolator (Detailed specification below)	3 (366/BA/17, 653/BA/14)
TESTS STANDARD	EN 54-3:2001 Fire detection and fire alarm systems – Part 3: Fire alarm devices – Sounders EN 54-3:2001/A1:2002 EN 54-3:2001/A2:2006 EN 54-17:2005 Fire detection and fire alarm systems – Part 17: Short-circuit isolators EN 54-17:2005/AC:2007	5 (366/BA/17) 7 (653/BA/14)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for sounder and short-circuit isolators intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.	5 (366/BA/17) 7 (653/BA/14)
SPECIFICATION OF TEST SPECIMEN	Type:	SAW-6001
	Supply voltage [V DC]:	9,6 ÷ 30
	Quiescent current [A]:	< 0,00001
	Alarm current [A]:	≤ 0,1 for 9,6 ÷ 16 V DC ≤ 0,05 for 16 ÷ 30 V DC
	Sound level (1m) [dB]:	103 / 96 / 91 (depending on settings)
	Frequency and sound pattern:	1. 2600 Hz for 100 ms, then silence for 130 ms; 2. 554 Hz for 500 ms, then 440 Hz for 500 ms; 3. 2000-3000 Hz; growing for 500 ms;
	Voice sounder:	no
	Message synchronization:	not applicable
	Type of work environment:	A
	IP protection:	21C
	Type of installation:	surface wall or ceiling mounted
	Dimensions [mm]:	Ø 115 x 70 (with socket G-40S)
	Material of housing:	plastic material
	Mass [g]:	200
	Type:	SAW-6006
	Supply voltage [V DC]:	9,6 ÷ 30
	Quiescent current [A]:	< 0,00001
	Alarm current [A]:	≤ 0,1 for 9,6 ÷ 16 V DC ≤ 0,05 for 16 ÷ 30 V DC
	Sound level (1m) [dB]:	103 / 96 / 91 (depending on settings)
	Frequency and sound pattern:	Sequence 1: 2600 Hz for 100 ms, then silence for 130 ms; Sequence 2: 554 Hz for 500 ms, then 440 Hz for 500 ms; Sequence 3: 2000-3000 Hz; growing for 500 ms;
	Voice sounder:	yes Sequence 1: „Uwaga, uwaga! Ogłaszam alarm pożarowy. Proszę zastosować się do planu ewakuacji.” Sequence 2: „Uwaga, uwaga! W budynku wykryto pożar. Proszę zastosować się Sequence 3: none
	Message synchronization:	yes
	Type of work environment:	A
	IP protection:	21C
	Type of installation:	surface wall or ceiling mounted
	Dimensions [mm]:	Ø 115 x 70 (with socket G-40S)
	Material of housing:	plastic material
	Mass [g]:	200
	Short-circuit isolator	
	Integral status indication:	no
	Connection of ancillary devices:	yes
	Detachable device:	no
On-site adjustment of the isolator:	no	
Software controlled device:	yes	
Nominal voltage [V DC]:	24	
Maximum voltage [V DC]:	24,6	
Minimal voltage [V DC]:	16,5	
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	
Operating temperature [°C]:	-10 ÷ +55	







TESTS RESULTS	EN 54-3	Sound level	PASS	6 ÷ 8 (366/BA/17) 8 ÷ 10 (653/BA/14)	
	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 - EN 60068-2-75	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, immunity (operational)	PASS		
EN 54-3 - EN 60529	Enclosure protection	PASS			
EN 54-17	Reproducibility	PASS	8 (366/BA/17) 10 ÷ 13 (653/BA/14)		
EN 54-17	Requirements	PASS			
EN 54-17 - EN 60068-2-2	Dry heat (operational)	PASS			
EN 54-17 - EN 60068-2-1	Cold (operational)	PASS			
EN 54-17 - EN 60068-2-27	Shock (operational)	PASS			
EN 54-17	Impact (operational)	PASS			
EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS			
EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS			
EN 54-17 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS			
EN 54-17 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS			
EN 54-17 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS			
EN 54-17	Variation in supply parameters	PASS			
EN 54-17 - EN 50130-4	Electromagnetic compatibility, immunity (operational)	PASS			
* Not applicable for sounder type SAW-6001.					
PRODUCT APPLICATION GUIDELINE	KK-E347/05.2015	Sounder type SAW-6000 with socket G-40S in varieties 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 socket G-40S in varieties SAW-6001 and SAW-6006 has to be used with fire detection and fire alarm systems.	Not applicable		





Laboratory and Certification Body Details			
NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej 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, 2026	VALIDITY	October 11, 2025
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK			
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	JACEK SZUBIŃSKI	SIGNATURE	Dyrektor Zakładu  Jacek Szubiński
EMAIL / TELEPHONE	+48 52 36 39 278 export@polon-alfapl	FACTORY OFFICIAL SEAL	FOLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ NIP 554-03-11-901 (1)
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 0048 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-1054 ISSUE 1 ISSUED BY CERTIFICATION BODY