Date: March 25, 2020

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 1963/BA/19	**CERTIFICATE NUMBER**	DC – UAE – 0157
DATE OF ISSUE	1. February 21, 2020	**DATE OF ISSUE**	March 25, 2020
DATE OF EXPIRY	Not applicable	**DATE OF EXPIRY**	March 24, 2030
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**	SAB-6001, SAB-6006
WEBSITE	www.polon-alfa.pl	**LOGO ON THE PRODUCT**	POLON-ALFA
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 with visual alarm device type SAB-6000 with socket G-40S in varieties SAB-6001-3RR, SAB-6001-6RR, SAB-6001-6WR, SAB-6001-3RW, SAB-6001-6RW, SAB-6001-6WW, SAB-6006-3RR, SAB-6006-6RR, SAB-6006-6WR, SAB-6006-3RW, SAB-6006-6RW, SAB-6006-6WW with shortcut isolator (Detailed specification below)			3 (1963/BA/19)
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: Shortcut isolators EN 54-23:2010 Fire detection and fire alarm systems – Part 23: Fire alarm devices – Visual alarm devices			16 (1963/BA/19)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for sounders, visual alarm devices and short-circuit isolators			16 ÷ 17 (1963/BA/19)
SPECIFICATION OF TEST SPECIMEN	Type:	SAB-6001-3RR, SAB-6001-6RR, SAB-6001-6WR, SAB-6001-3RW, SAB-6001-6RW, SAB-6001-6WW	SAB-6006-3RR, SAB-6006-6RR, SAB-6006-6WR, SAB-6006-3RW, SAB-6006-6RW, SAB-6006-6WW	7 ÷ 8 (1963/BA/19)
	Supply voltage [V DC]:	9,6 ÷ 30,0		
	Quiescent current [A]:	---		
	Alarm current [A]:	---		
	Sound level (1m) [dB]:	71,14 ÷ 109,04	74,64 ÷ 108,94	
	Frequency and sound pattern:	1. (1000 Hz for 500 ms, then 500 ms break) x3, then 1500 ms pause 2. 1200-500 Hz; drooping for 1000 ms 3. 500 Hz; continuous signal 4. 500 Hz; for 1000 ms, then 1000 ms pause 5. 554 Hz for 250 ms, then 400 Hz for 250 ms 6. 500-1200 Hz; rising for 3500 ms, then silence for 500 ms 7. 600 Hz; for 332 ms, then 332 ms pause 8. 600-1200 Hz; rising for 120 ms, then drooping for 120 ms 9. 2600 Hz; for 100 ms, then 130 ms pause 10. 2600-3400 Hz; rising for 400 ms 11. 2000-3000 Hz; rising for 500 ms 12. 2500 Hz; for 250 ms, then 250 ms pause 13. 3300 Hz; for 150 ms, then 100 ms pause 14. 800 Hz; for 20 ms, then 20 ms pause 15. 800 Hz; continuous signal 16. (2500 Hz for 20 ms, then 20 ms break) x13, then 500 ms pause		
	Voice sounder:	no	yes „Uwaga, uwaga! Ogłaszam alarm pożarowy. Proszę zastosować się do planu ewakuacji" „Uwaga, uwaga! W budynku wykryto pożar. Proszę zastosować się do instrukcji przeciwpożarowej"	
	Message synchronization:	no	yes	
	Frequency of flashing [Hz]:	0,5		
	Light colour:	white or red		
	Sounder category:	O		
	Synchronization function:	yes		
	Type of work environment:	A		
	IP protection:	21C		
	Type of installation:	surface wall or ceiling mounted		
	Dimensions [mm]:	Ø 115 x 94		
	Material of housing:	plastic material		
	Mass [g]:	250		
	Shortcut isolator			
	Integral status indication:	no		
	Connection of ancilliary devices:	no		
	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		
TESTS RESULTS	EN 54-3	Sound level	PASS	17 ÷ 25 (1963/BA/19)
	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	
	---------	Synchronisation	---------	
	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 EN 54-3 EN 54-3 EN 54-3 EN 54-3 EN 54-3 EN 54-3 - EN 60068-2-2 EN 54-3 - EN 60068-2-2 EN 54-3 - EN 60068-2-1 EN 54-3 - EN 60068-2-30 EN 54-3 - EN 60068-2-78 EN 54-3 - EN 60068-2-30 EN 54-3 - EN 60068-2-42 EN 54-3 - EN 60068-2-27 EN 54-3 - EN 60068-2-75 EN 54-3 - EN 60068-2-6 EN 54-3 - EN 60068-2-6 EN 54-3 - EN 50130-4 EN 54-3 - EN 60529	Durability Construction Marking and data Durability General testing Dry heat (operational) Dry heat (endurance) Cold (operational) Damp heat, cyclic (operational) Damp heat, steady state (endurance) Damp heat, cyclic (endurance) Sulphur dioxide (SO_2) corrosion (endurance) Shock (operational) Impact (operational) Vibration, sinusoidal (operational) Vibration, sinusoidal (endurance) Electromagnetic compatibility, immunity (operational) Enclosure protection	--------- PASS PASS PASS PASS PASS PASS PASS NOT APPLICABLE PASS PASS PASS NOT APPLICABLE PASS PASS PASS PASS PASS PASS PASS	
	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, immunity (operational)	PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS	25 ÷ 30 (1963/BA/19)
	EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 EN 54-23 - EN 60068-2-2 EN 54-23 - EN 60068-2-2 EN 54-23 - EN 60068-2-2 EN 54-23 - EN 60068-2-1 EN 54-23 - EN 60068-2-30 EN 54-23 - EN 60068-2-78 EN 54-23 - EN 60068-2-30 EN 54-23 - EN 60068-2-27 EN 54-23 - EN 60068-2-75 EN 54-23 - EN 60068-2-6 EN 54-23 - EN 60068-2-6 EN 54-23 - EN 60068-2-42 EN 54-23 - EN 50130-4	Duration of operation Provision for external conductors Flammability of materials Enclosure protection Access Manufacturer's adjustments On-site adjustment of behaviour Requirements for software controlled devices Coverage volume Variation of light output Minimum and maximum light intensity Light colour Light temporal pattern and frequency of flashing Marking and data Synchronization (option with requirements) Dry heat (operational) Dry heat (endurance) Cold (operational) Damp heat, cyclic (operational) Damp heat, steady state (endurance) Damp heat, cyclic (endurance) Shock (operational) Impact (operational) Vibration (operational) Vibration (endurance) SO2 corrosion (endurance) EMC, immunity (operational)	PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS PASS NOT APPLICABLE PASS PASS PASS NOT APPLICABLE PASS PASS PASS PASS PASS PASS	30 ÷ 37 (1963/BA/19)
PRODUCT APPLICATION GUIDELINE	KK-E362/01.2020/EN	The SAB-6001 and SAB-6006 are sounders with integrated visual alarm device and short-circuit isolator. They are designed for acoustic (voice and sound) and optical fire alarm signalling. The SAB-6001 and SAB-6006 co-operates with G-40S socket to which the surveillance lines are connected. The SAB-6001 and SAB-6006 can work only in addressable line / loops of control and indicating equipment type POLON 4000 and POLON 6000.		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, 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	Dariusz Nagański	**SIGNATURE**	
EMAIL / TELEPHONE	+48 52 3639 261 export@polon-alfa.pl	**FACTORY OFFICIAL SEAL**	POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ
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 227693300**	**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–0703 ISSUED BY CERTIFICATION BODY