



Date: July 12, 2022

This Certificate replaces Certificate No. DC – UAE – 0099 dated May 25, 2022

**CERTIFICATE OF COMPLIANCE**

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 596/BA/17 2. 366/BA/17 3. 854/BA/21 4. 854/BA/21 (protocol)	CERTIFICATE NUMBER	DC – UAE – 0099
DATE OF ISSUE	1. July 6, 2018 2. November 17, 2017 3. September 30, 2021 4. October 21, 2021 August 9, 2021 August 3, 2021 July 13, 2021	DATE OF ISSUE	July 12, 2022
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	August 2, 2028
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	DUO-6046AD
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	Universal smoke detector type DUO-6046AD with socket G-40S, sounder and short-circuit isolator (Detailed specification below)		3 (596/BA/17)	
TESTS STANDARD	EN 54-3:2001+A1:2002+A2:2006 Fire detection and fire alarm systems – Part 3: Fire alarm devices – Sounders EN 54-7:2018 Fire detection and fire alarm systems – Part 7: Smoke detectors – Point smoke detectors that operate using scattered light, transmitted light or ionization EN 54-17:2005+AC:2007 Fire detection and fire alarm systems – Part 17: Short-circuit isolators		7 (596/BA/17) 7 (854/BA/21)	
TESTS DESCRIPTION	Requirements, test methods and performance criteria for sounders, point detectors using scattered light, transmitted light or ionization and short-circuit isolators		7 + 8 (596/BA/17)	
SPECIFICATION OF TEST SPECIMEN	Type:	DUO-6046AD	3 + 5 (596/BA/17)	
	Detachable detector:	yes		
	Connection of ancillary devices:	yes		
	On-site adjustment of response behaviour:	yes		
	Fire sensitivity:	TF2, TF3, TF4, TF5		
	Operating supply voltage [V DC]:	16,5 + 24,6		
	Quiescent current [A]:	< 0,00015		
	Alarm current [A]:	< 0,02015 during LED flash in detector		
	Protection against the ingress of foreign bodies:	Detector is designed that a sphere of diameter (1,3 ± 0,05) mm cannot pass into the sensor chamber.		
	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		
	Programming address:	from control and indicating equipment (CIE)		
	Operating temperature [°C]:	-10 + 55		
	Material of housing:	plastic material		
	Dimensions [mm]:	Ø 115 x 56 (with socket)		
	Weight [g]:	200		
	Sound level (1m) [dB]:	77 + 87,9		
	Frequency and sound pattern:	4000 Hz for 500ms, then 500 ms break		
Voice sounder:	no			
Message synchronization:	not applicable			
Type of work environment:	A			
IP protection:	21 C			
Type of installation:	surface ceiling mounted			
TESTS RESULTS	EN 54-3	Sound level	PASS	37 + 39 (596/BA/17) 6 (366/BA/17)
	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	NOT APPLICABLE	
	EN 54-3	Synchronisation	NOT APPLICABLE	
	EN 54-3	Broadcast message performance	NOT APPLICABLE	
	EN 54-3	Attention drawing signal/silence/message sequence timing	NOT APPLICABLE	
	EN 54-3	Message synchronisation testing	NOT APPLICABLE	
	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	NOT APPLICABLE	
	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 (endurance)	NOT APPLICABLE	
	EN 54-3 - EN 60068-2-42	Sulphur dioxide (SO <sub>2</sub> ) 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		







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, 2025
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK			
<b>(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER</b>			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	Dariusz Kapański Robert Pejke	SIGNATURE	
EMAIL / TELEPHONE	+48 5236 34278 sport@polar-afe.pl	FACTORY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		
<b>(ENDORSEMENT) TO BE CERTIFICATION BODY</b>			
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-0611 ISSUE 3 ISSUED BY CERTIFICATION BODY