



Date: April 3, 2023

This Certificate replaces Certificate No. DC - UAE - 0150 dated February 14, 2020

### CERTIFICATE OF COMPLIANCE





This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 5073/BA/11 2. 107/BA/17 3. 496/BA/22	CERTIFICATE NUMBER	DC - UAE- 0150
DATE OF ISSUE	1. April 14, 2011 2. May 22, 2017 3. November 25, 2022	DATE OF ISSUE	April 3, 2023
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	June 25, 2027
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	DOP-6001R
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	Line detector type DOP-6001R (Detailed specification below)		3 ÷ 4 (5073/BA/11) 3 (107/BA/17) 3 (496/BA/22)	
TESTS STANDARD	EN 54-12:2015 Fire detection and fire alarm systems - Part 12: Smoke detectors - Line detectors using an optical beam		7 (5073/BA/11) 5 (107/BA/17) 5 (496/BA/22)	
TESTS DESCRIPTION	Requirements, test methods and performance criteria for line detectors using an optical beam intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.		7 (5073/BA/11) 5 ÷ 6 (107/BA/17) 5 (496/BA/22)	
SPECIFICATION OF TEST SPECIMEN	Product type:	DOP-6001R	4 (5073/BA/11) 3 ÷ 4 (107/BA/17) 3 ÷ 4 (496/BA/22)	
	Operating temperature [°C]:	-10 ÷ +55		
	Relative humidity:	to 95 % at 40 °C		
	Dimensions [mm]:	129 x 80 x 84		
	Operating voltage of detector in the addressable line:	---		
	Operating voltage of detector in conventional line [V DC]:	9,5 ÷ 28		
	Alarm current at 20V [A]:	0,02 ÷ 0,1		
	Current at break of light stream [A]:	< 0,0003		
	Range of work with the headlight unit [m]:	5 ÷ 50		
	Working range with headlight unit [m]:	50 ÷ 100		
	Sensitivity thresholds:	18 %, 30 %, 50 %		
	Maximum number of detectors on the addressable line:	---		
	Maximum number of detectors on a conventional line:	32 pieces		
	Class of laser device:	3R		
	Weight:	350 g		
TESTS RESULTS	EN 54-12	Individual alarm indication	PASS	8 ÷ 9 (5073/BA/11) 6 ÷ 8 (107/BA/17) 6 ÷ 10 (496/BA/22)
	EN 54-12	Connection of ancillary devices	PASS	
	EN 54-12	Manufacturer's adjustments	PASS	
	EN 54-12	On-site adjustment of response value	PASS	
	EN 54-12	Protection against the ingress of foreign bodies	PASS	
	EN 54-12	Monitoring of detachable detectors and connections	PASS	
	EN 54-12	Requirements for software controlled detectors	PASS	
	EN 54-12	Reproducibility	PASS	
	EN 54-12	Repeatability	PASS	
	EN 54-12	Tolerance to beam misalignment	PASS	
	EN 54-12	Rapid changes in attenuation	PASS	
	EN 54-12	Response to slowly developing fires	PASS	
	EN 54-12	Optical path length dependence	PASS	
	EN 54-12	Stray light	PASS	
	EN 54-12	Variation in supply parameters	PASS	
	EN 54-12	Fire sensitivity	PASS	
	EN 54-12 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-12 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-12 - EN 60068-2-78	Damp heat, steady state (operational)	PASS	
	EN 54-12 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-12 - IEC 60068-2-6	Vibration (endurance)	PASS	
	EN 54-12 - IEC 60068-2-75	Impact (operational)	PASS	
	EN 54-12 - EN 50130-4	Electromagnetic compatibility (EMC), immunity	PASS	
	EN 54-12 - IEC 60068-2-42	Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	PASS	
PRODUCT APPLICATION GUIDELINE	KK-E343/06.2022/EN	The DOP-6001R beam smoke detector is designed for smoke detection at the onset of a fire combustion stage. It is especially suited for protection of indoor spaces, in which the appearance of smoke is likely during ignition of a fire and where, due to a large space area, installation of a number of point smoke detectors would be necessary.		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	
EMAIL / TELEPHONE	+48 52 36 33 278 export@polon-alpha.pl	FACTORY OFFICIAL SEAL	<b>POLON-ALFA S.A.</b> 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. Paweł Janik, PhD Eng.	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 CONFORMITY" NO. 1438 -CPR - 0219 ISSUE 2 ISSUED BY CERTIFICATION BODY