




Date: October 28, 2020

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 291/BA/20	CERTIFICATE NUMBER	DC – UAE – 0174
DATE OF ISSUE	1. October 2, 2020	DATE OF ISSUE	October 28, 2020
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	October 27, 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	PUO-40, PUO-40Ex
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	Point flame detector type PUO-40 and PUO-40Ex (Detailed specification below)			3 (291/BA/20)
TESTS STANDARD	EN 54-10:2002+A1:2005 Fire detection and fire alarm systems - Part 10: Flame detectors - Point detectors			6-8 (291/BA/20)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for point flame detector intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.			8 (291/BA/20)
SPECIFICATION OF TEST SPECIMEN	Type:	PUO-40	PUO-40Ex	3-4 (291/BA/20)
	Supply voltage:	9 ÷ 28 V DC		
	Maximum power consumption:	---		
	IP protection:	IP44		
	Operating temperature:	-10 ÷ +55 °C		
	Relative humidity:	up to 93 % at 40 °C		
	Sight range:	25 m		
	Horizontal directional dependence:	110 °		
	Vertical directional dependence:	---		
	Alarm relay output:	---		
	Failure relay output:	---		
	Current output:	20 mA at 20 V DC		
Material of housing:	plastic material			
Mass:	235 g	280 g		
Dimensions:	Ø 115 mm x 49 mm			
TESTS RESULTS	EN 54-10	Classification	PASS	9-18 (291/BA/20)
	EN 54-10	Reproducibility	PASS	
	EN 54-10	Repeatability	PASS	
	EN 54-10	Directional dependence	PASS	
	EN 54-10	Fire sensitivity	PASS	
	EN 54-10	Dazzling (operational)	PASS	
	EN 54-10	Individual alarm indication	PASS	
	EN 54-10	Connection of ancillary devices	PASS	
	EN 54-10	Monitoring of detachable detectors	PASS	
	EN 54-10	Manufacturer's adjustments	PASS	
	EN 54-10	On-site sensitivity adjustment	NOT APPLICABLE	
	EN 54-10	Data	PASS	
	EN 54-10	Additional requirements for software controlled detectors	PASS	
	EN 54-10	Variation in supply parameters (operational)	PASS	
	EN 54-10 - IEC 60068-2-2	Dry heat (operational)	PASS	
	EN 54-10 - IEC 60068-2-1	Cold (operational)	PASS	
	EN 54-10 - IEC 60068-2-27	Shock (operational)	PASS	
	EN 54-10	Impact (operational)	PASS	
	EN 54-10 - IEC 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-10 - IEC 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-10 - IEC 60068-2-30	Damp heat, cyclic (operational)	PASS	
EN 54-10 - IEC 60068-2-56	Damp heat, steady state (endurance)	PASS		
EN 54-10 - IEC 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS		
EN 54-10 - EN 50130-4	Electromagnetic compatibility (EMC), immunity (operational)	PASS		
PRODUCT APPLICATION GUIDELINE	IK-E368-001	The point flame detector type PUO-40 and PUO-40Ex is designed for detection and signalization of flame ignition in case of a fire hazard. It operates in detection lines connected to fire alarm system control panels. Point flame detector type PUO-40 and PUO-40Ex 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, 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 Jęgorzelski Robert Pestka	SIGNATURE	
EMAIL / TELEPHONE	+48 52 3639261 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 +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-0734 ISSUE 1 ISSUED BY CERTIFICATION BODY