




Date: May 23, 2018

**CERTIFICATE OF COMPLIANCE**

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 510/BA/17 2. 1987/BA/04 3. 1605/L/BA/03 4. 231/BA/01	CERTIFICATE NUMBER	DC - UAE - 0093
DATE OF ISSUE	1. February 2, 2018 2. November 22, 2004 3. December 18, 2003 4. May 7, 2001	DATE OF ISSUE	May 23, 2018
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	May 22, 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	TUN-38Ex
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	Heat detector type TUN-38Ex (Detailed specification below)		3 (510/BA/17) 3 (1987/BA/04) 3 (1605/L/BA/03) 3 (231/BA/01)
TESTS STANDARD	EN 54-5:2000+A1:2002 Fire detection and fire alarm systems - Part 5: Heat detectors - Point detectors		5 (510/BA/17) 6 (1987/BA/04) 6 (1605/L/BA/03) 6 (231/BA/01)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for heat detector intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.		5-6 (510/BA/17) 6 (1987/BA/04) 6 (1605/L/BA/03) 6 (231/BA/01)
	Type:	TUN-38Ex	
	Supply voltage [V DC]:	17 ÷ 24	
	Quiescent current [A]:	< 0,0001	
	Alarm current [A]:	0,02	
	Classification of the detector according to EN 54-5:	A1R, A1S, BR, BS	3-4 (510/BA/17) 3 (1987/BA/04) 3 (1605/L/BA/03) 3 (231/BA/01)
	Operating temperature [°C]:	-10 ÷ +50 for class A1R, A1S -10 ÷ +65 for class BR, BS	
	Material of housing:	plastic material	
	Dimensions (mm):	112 x 83,5 x 55	
	Mass [g]:	260	
TESTS RESULTS	EN 54-5	Classification	PASS
	EN 54-5	Position of heat sensitive element	PASS
	EN 54-5	Directional dependence	PASS
	EN 54-5	Static response temperature	PASS
	EN 54-5	Response times from typical application temperature	PASS
	EN 54-5	Response times from 25 °C	PASS
	EN 54-5	Response times from high ambient temperature	PASS
	EN 54-5	Reproducibility	PASS
	EN 54-5	Additional test for suffix S detectors	PASS
	EN 54-5	Additional test for suffix R detectors	PASS
	EN 54-5	Individual alarm indication	PASS
	EN 54-5	Connection of ancillary devices	PASS
	EN 54-5	Monitoring of detachable detectors	PASS
	EN 54-5	Manufacturer's adjustments	PASS
	EN 54-5	On-site adjustment of response behavior	PASS
	EN 54-5	Marking	PASS
	EN 54-5	Data	PASS
	EN 54-5	Additional requirements for software controlled detectors	NOT APPLICABLE
	EN 54-5	Variation in supply parameters	PASS
	EN 54-5 - EN 60068-2-1	Cold (operational)	PASS
	EN 54-5 - EN 60068-2-2	Dry heat (endurance)	NOT APPLICABLE
	EN 54-5 - EN 60068-2-27	Shock (operational)	PASS
	EN 54-5	Impact (operational)	PASS
	EN 54-5 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS
	EN 54-5 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS
	EN 54-5 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS
	EN 54-5 - EN 60068-2-56	Damp heat, steady state (endurance)	PASS
	EN 54-5 - EN 60068-2-42	Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	PASS
	EN 54-5 - EN 50130-4	Electromagnetic compatibility (EMC), immunity (operational)	PASS
PRODUCT APPLICATION GUIDELINE	KK-E280/05.2018 KK-E280/05.2018/EN	Heat detector type TUN-38Ex is designed to detect a fire hazard in rooms, where during the first phase of a fire a rapid rise of temperature may occur or where temperature may exceed a defined danger level. Heat detector type TUN-38Ex has to be used with fire detection and fire alarm systems.	Not applicable

United Arab Emirates

Ministry of interior

Civil Defense G.H.Q

Fire intentional Lab & House  
of Expertise & Training Center

Approval Committee



دولة الامارات العربية المتحدة


وزارة الداخلية

القيادة العامة للدفاع المدني

لجنة اعتماد المختبرات العالمية

وبيوت الخبرة ومعاهد التدريب

### 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, 2018	VALIDITY	October 11, 2021
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 Nagański	SIGNATURE	
EMAIL / TELEPHONE	+48 52 36 39 261 export@polon-alfa.pl	FACTORY OFFICIAL SEAL	<b>POLON-ALFA S.A.</b> ul. Glinki 155 85-861 BYDGOSZCZ
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	bryg. dr hab. inż. Dariusz Wróblewski	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-0025 ISSUED BY CERTIFICATION BODY