



Date: January 29, 2020

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 5078/BA/11 2. 1518/BA/15 3. 539/BA/17	CERTIFICATE NUMBER	DC – UAE – 0145
DATE OF ISSUE	1. May 16, 2011 2. January 22, 2016 3. March 12, 2018	DATE OF ISSUE	January 29, 2020
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	June 17, 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	ACR-4001
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






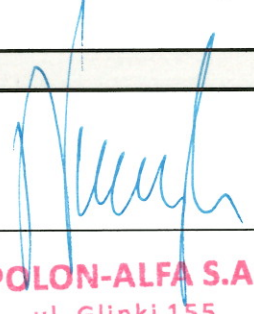

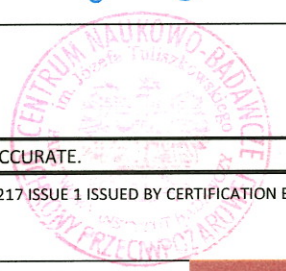
Product Details From Test Report			Reference Test Report Page No.	
DESCRIPTION OF THE PRODUCT	Input/output device, using radio links - Adapter for radio detectors type ACR-4001 with short-circuit isolator (Detailed specification below)		3 (5078/BA/11) (539/BA/17)	
TESTS STANDARD	EN 54-17:2005 + AC:2007 Fire detection and fire alarm systems - Part 17: Short-circuit isolators EN 54-18:2005 + AC:2007 Fire detection and fire alarm systems - Part 18: Input/output devices EN 54-25:2008+AC:2010 Fire detection and fire alarm systems - Part 25: Components using radio links		5-6 (5078/BA/11) (1518/BA/15) (539/BA/17)	
TESTS DESCRIPTION	Requirements, test methods and performance criteria for adapter for radio detectors intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.		5-6 (5078/BA/11) (1518/BA/15) (539/BA/17)	
SPECIFICATION OF TEST SPECIMEN	Type:	ACR-4001	3-4 (5078/BA/11) 4 (1518/BA/15) 3 (539/BA/17)	
	Detachable device:	yes		
	Software controlled device:	yes		
	Number of inputs:	1		
	Number of outputs:	---		
	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		
	Operating temperature [°C]:	-10 ÷ +55		
	Dimensions (Length x Width x Height) [mm]:	∅ 115 x 134 with a socket G-40		
Mass [g]:	130			
Type of radio adapter:	ACR-4001			
Frequency range of radio track [MHz]:	863 ÷ 870			
TESTS RESULTS	EN 54-17	Reproducibility	PASS	7-8 (5078/BA/11) 7-11 (1518/BA/15) 8-22 (539/BA/17)
	EN 54-17	Requirements	PASS	
	EN 54-17 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-17 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-17 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-17	Impact (operational)	PASS	
	EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-17 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-17 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-17 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS	
	EN 54-17	Variation in supply parameters	PASS	
	EN 54-17 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	
	EN 54-18	Performance and variation of supply parameters	PASS	
	EN 54-18	Functional test	PASS	
	EN 54-18	Functional test	PASS	
	EN 54-18 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-18 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-18 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-18 - EN 60068-2-75	Impact (operational)	PASS	
	EN 54-18 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-16 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-18 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-18 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
EN 54-18 - EN 60068-2-42	Sulphur dioxide (SO ₂) corrosion (endurance)	PASS		
EN 54-18	Performance and variation of supply parameters	PASS		
EN 54-18 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests	PASS		



	EN 54-25	General	PASS	
	EN 54-25	Alarm signal integrity	PASS	
	EN 54-25	General	PASS	
	EN 54-25	Reproducibility test	PASS	
	EN 54-25	Test for alarm signal integrity	PASS	
	EN 54-25	Test for mutual disturbance between systems of the same manufacturer	PASS	
	EN 54-25	Immunity to site attenuation	PASS	
	EN 54-25	Identification of the RF linked component	PASS	
	EN 54-25	Receiver performance	PASS	
	EN 54-25	Immunity to interference	PASS	
	EN 54-25	Loss of communication	PASS	
	EN 54-25	Antenna	PASS	
	EN 54-25	Power supply equipment	PASS	
	EN 54-25	Environmental related requirements	PASS	
	EN 54-25	Documentation	PASS	
	EN 54-25	Marking	PASS	
	EN 54-25	Test for immunity to site attenuation	PASS	
	EN 54-25	Test for identification of RF linked components	PASS	
	EN 54-25	Test for the receiver performance	PASS	
	EN 54-25	Test of compatibility with other band users	PASS	
	EN 54-25	Test for the detection of a loss of communication on a link	PASS	
	EN 54-25	Test of antenna	PASS	
	EN 54-25	General	PASS	
	EN 54-25	Test schedule for components tests	PASS	
	EN 54-25	Verification of the service life of the autonomous power source(s)	NOT APPLICABLE	
	EN 54-25	Test for the low power condition fault signal	NOT APPLICABLE	
	EN 54-25	Test for the polarity reversal	NOT APPLICABLE	
	EN 54-25	Repeatability test	PASS	
	EN 54-25 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-25 - EN 60068-2-2	Dry heat (endurance)	PASS	
	EN 54-25 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-25 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-25	Impact (operational)	PASS	
	EN 54-25 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-25 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-25 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-25 - EN 60068-2-78	Damp heat, steady state (operational)	PASS	
	EN 54-25 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-25 - EN 60068-2-42	SO2-corrosion (endurance)	PASS	
	EN 54-25 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	
PRODUCT APPLICATION GUIDELINE	KK-E322/11.2019 KK-E323/11.2019/EN	The adapter for radio detectors type ACR-4001 is equipped with short-circuit isolator. It is an addressable device, enabling the connection of radio detectors to an addressable loop of the POLON 4000/6000 system fire alarm control panels. Adapter for radio detectors type ACR-4001 with short-circuit isolator is used in 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			
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	Dariusz Nagański	SIGNATURE	
EMAIL / TELEPHONE	+48 52 36 39 261 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 +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-0217 ISSUE 1 ISSUED BY CERTIFICATION BODY