



Date: December 29, 2017

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 487/BA/13 2. 371/BA/17	CERTIFICATE NUMBER	DC – UAE – 0073
DATE OF ISSUE	1. April 2, 2014 2. October 31, 2017	DATE OF ISSUE	December 29, 2017
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	May 21, 2024
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Polon-Alfa Spółka z ograniczoną odpowiedzialnością Sp. k.	NAME OF THE BRAND	Polon-Alfa Spółka z ograniczoną odpowiedzialnością Sp. k.
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	MODEL / NO	POLON 6000
WEBSITE	www.polon-alfa.pl	LOGO ON THE PRODUCT	
TELEPHONE	+48 52 36 39 269	EMAIL	export@polon-alfa.pl





Product Details From Test Report		Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Control and indicating equipment, power supply for fire detection and fire alarm systems type POLON 6000 (Detailed specification below)	3
TESTS STANDARD	EN 54-2:1997 + AC:1999 + A1:2006 Fire detection and fire alarm systems - Part 2: Control and indicating equipment EN 54-4:1997 + AC:1999 + A1:2002 + A2:2006 Fire detection and fire alarm systems - Part 4: Power supply equipment	9
TESTS DESCRIPTION	Requirements, test methods and performance criteria for loudspeakers intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.	9 ÷ 10 (487/BA/13) 9 (371/BA/17)
SPECIFICATION OF TEST SPECIMEN	Parameters of CIE type POLON 6000	3 ÷ 5
	Type: POLON 6000	
	Version of CIE: addressable	
	IP protection: IP 30	
	Operating temperature: -5 °C + +40 °C	
	Dimensions (Length x Width x Height): basic cabinet OM-61: 445 x 177,5 x 455,5 [mm] basic cabinet OM-62: 445 x 181,5 x 455,5 [mm] remote signaling and service device cabinet OS-61: 350 x 89,5 x 336 [mm] backup batteries cabinet OA-61: 445 x 199 x 682 [mm] backup batteries cabinet OA-63: 445 x 199 x 552 [mm]	
	Software version: 1.00	
	Main supply - supply voltage: 230 V AC	
	Maximum current consumption: 5 A	
	Internal working voltage: 24 V DC	
	Battery charge voltage: 28,8 V DC	
	Maximal internal resistance of the battery: 500 mΩ	
	Detector lines: type of detector lines: loop or open (the choice from the level of CIE)	
	Number of detector lines: loop: 396 pieces, open: 1190 pieces	
	Maximum number of elements in the detector line: line 6000 – 250 pieces loop, 32 pieces open line 4000 – 127 pieces loop, 32 pieces open	
	Voltage of the detector line: 23,4 V DC + 24,6 V DC	
	Maximum current in stand-by mode: 50 mA	
	Monitored signal lines: 600 pieces	
	Inputs: 1200 pieces	
	Outputs: 1000 pieces: 800 (1A / 24 V DC), 200 (5A / 230 V AC)	
	Parameters of integral power supply	
	Basic data	
	Type: MZ-60-150 MZ-60-300	
	Type of power supply: electric	
	Output operating current I _{max a} : 3 A 6 A	
	Output operating current I _{max b} : 4 A 8 A	
	Output circuits: range of output voltage: 18 V DC + 29 V DC	
	Main supply	
	Main supply: supply voltage: 230 V AC	
	Maximum current consumption: 2,5 A 5 A	
	Reserve supply	
	Power supply: Battery type: gel 2 x 12 V DC	
Maximum current of battery charging: 5 A		
Maximal internal resistance of the battery and elements connected to the battery circuit: 500 mΩ		
Maximum battery capacity: 65 Ah 134 Ah		
Battery charge voltage in floating mode: 27,6 V DC		
Temperature compensation in floating mode: yes		
Product components (basic and optional): PSO-60, MZP-60, MGR-64, MLD-61, MLD-62, MKS-60, MPK-60, MWS-60, MWK-60, MPW-61, MLK-60, MTL-61, MTL-62, MTL-63, MTL-63 Ed. 2, MD-60, MZ-60-300, MZ-60-150.		



TESTS RESULTS	EN 54-2	General requirements	PASS	11 ÷ 14 (487/BA/13) 10 ÷ 19 (371/BA/17)
	EN 54-2	General requirements for indications	PASS	
	EN 54-2	The fire alarm condition	PASS	
	EN 54-2	Reception and processing of fire signals	PASS	
	EN 54-2	Output of the fire alarm condition	PASS	
	EN 54-2	Delay to outputs	PASS	
	EN 54-2	Dependencies on more than one alarm signal	PASS	
	EN 54-2	General requirements	PASS	
	EN 54-2	General requirements for indications	PASS	
	EN 54-2	The quiescent condition	PASS	
	EN 54-2	The fire alarm condition	PASS	
	EN 54-2	Fault warning condition	PASS	
	EN 54-2	Disabled condition	PASS	
	EN 54-2	Test condition	PASS	
	EN 54-2	Standardized input/output interface	NPD	
	EN 54-2	Design requirements	PASS	
	EN 54-2	Additional design requirements for software controlled control and indicating equipments	PASS	
	EN 54-2	Marking	PASS	
	EN 54-2 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-2 - EN 60068-2-75	Impact (operational)	PASS	
	EN 54-2 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-2 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-2 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	
	EN 54-2	Supply voltage variations	PASS	
	EN 54-2 - EN 60068-2-78	Damp heat, steady state (operational)	PASS	
	EN 54-2 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-2	Fault signals from points	PASS	
	EN 54-2	Total loss of the power supply	PASS	
	EN 54-2	Alarm counter	PASS	
	EN 54-2	Dependencies on more than one alarm signal	PASS	
	EN 54-2	Delay to outputs	PASS	
	EN 54-2	Disabling of addressable points	PASS	
	EN 54-2	Test condition	PASS	
EN 54-2	Output to fire alarm devices	PASS		
EN 54-2	Alarm transmission routing equipment	PASS		
EN 54-2	Output for fire protection equipment	PASS		
EN 54-2	Fault warning routing equipment	PASS		
EN 54-2	Standardized input / output interface	NPD		
EN 54-4	General requirements	PASS		
EN 54-4	Functions	PASS		
EN 54-4	Materials, design and manufacture	PASS		
EN 54-4	General requirements	PASS		
EN 54-4	Functions	PASS		
EN 54-4	Materials, design and manufacture	PASS		
EN 54-4	Documentation	PASS		
EN 54-4	Marking	PASS		
EN 54-4 - EN 60068-2-1	Cold (operational)	PASS		
EN 54-4 - EN 60068-2-75	Impact (operational)	PASS		
EN 54-4 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
EN 54-4 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS		
EN 54-4 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS		
EN 54-4 - EN 60068-2-78	Damp heat, steady state (operational)	PASS		
EN 54-4 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS		
PRODUCT APPLICATION GUIDELINE	KK-E332/09.2017	Control and indicating equipment with power supply equipment type POLON 6000 is used in fire detection and fire alarm systems. It is equipped with an integrated power supply. Control and indicating equipment has two 2 power sources: main supply and reserve supply.	Not applicable	



Laboratory and Certification Body Details

NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwożarowej 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			
(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 Spółka z ograniczoną odpowiedzialnością Sp.k. 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	bryg. dr inż. Jacek Zboina	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-0374 ISSUE 2 ISSUED BY CERTIFICATION BODY



Date: January 31, 2018

This certificate replaces Certificate No. DC – UAE – 0073 dated December 29, 2017.

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 487/BA/13 2. 371/BA/17	CERTIFICATE NUMBER	DC – UAE – 0073
DATE OF ISSUE	1. April 2, 2014 2. October 31, 2017	DATE OF ISSUE	January 31, 2018
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	May 21, 2024
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Polon-Alfa Spółka z ograniczoną odpowiedzialnością Sp. k.	NAME OF THE BRAND	POLON-ALFA
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	MODEL / NO	POLON 6000
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	Control and indicating equipment, power supply for fire detection and fire alarm systems type POLON 6000 (Detailed specification below)	3	
TESTS STANDARD	EN 54-2:1997 + AC:1999 + A1:2006 Fire detection and fire alarm systems - Part 2: Control and indicating equipment EN 54-4:1997 + AC:1999 + A1:2002 + A2:2006 Fire detection and fire alarm systems - Part 4: Power supply equipment	9	
TESTS DESCRIPTION	Requirements, test methods and performance criteria for loudspeakers intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.	9 ÷ 10 (487/BA/13) 9 (371/BA/17)	
SPECIFICATION OF TEST SPECIMEN	Parameters of CIE type POLON 6000		
	Type:	POLON 6000	
	Version of CIE:	addressable	
	IP protection:	IP 30	
	Operating temperature:	-5 °C ÷ +40 °C	
	Dimensions (Length x Width x Height):	basic cabinet OM-61: 445 x 177,5 x 455,5 [mm] basic cabinet OM-62: 445 x 181,5 x 455,5 [mm] remote signaling and service device cabinet OS-61: 350 x 89,5 x 336 [mm] backup batteries cabinet OA-61: 445 x 199 x 682 [mm] backup batteries cabinet OA-63: 445 x 199 x 552 [mm]	
	Software version:	1.00	
	Main supply – supply voltage:	230 V AC	
	Maximum current consumption:	5 A	
	Internal working voltage:	24 V DC	
	Battery charge voltage:	28,8 V DC	
	Maximal internal resistance of the battery:	500 mΩ	
	Detector lines: type of detector lines:	loop or open (the choice from the level of CIE)	
	Number of detector lines:	loop: 396 pieces, open: 1190 pieces	
	Maximum number of elements in the detector line:	line 6000 – 250 pieces loop, 32 pieces open line 4000 – 127 pieces loop, 32 pieces open	
	Voltage of the detector line:	23,4 V DC ÷ 24,6 V DC	
	Maximum current in stand-by mode:	50 mA	
	Monitored signal lines:	600 pieces	
	Inputs:	1200 pieces	
	Outputs:	1000 pieces: 800 (1A / 24 V DC), 200 (5A / 230V AC)	
	Parameters of integral power supply		
	Basic data		
	Type:	MZ-60-150	MZ-60-300
	Type of power supply:	electric	
	Output operating current I _{max a} :	3 A	6 A
	Output operating current I _{max b} :	4 A	8 A
	Output circuits: range of output voltage:	18 V DC ÷ 29 V DC	
	Main supply		
	Main supply: supply voltage:	230 V AC	
	Maximum current consumption:	2,5 A	5 A
	Reserve supply		
	Power supply: battery type:	gel 2 x 12 V DC	
Maximum current of battery charging:	5 A		
Maximal internal resistance of the battery and elements connected to the battery circuit:	500 mΩ		
Maximum battery capacity:	65 Ah	134 Ah	
Battery charge voltage in floating mode:	27,6 V DC		
Temperature compensation in floating mode:	yes		
Product components (basic and optional): PSO-60, MZP-60, MGR-64, MLD-61, MLD-62, MKS-60, MPK-60, MWS-60, MWK-60, MPW-61, MLK-60, MTI-61, MTI-62, MTI-63, MTI-63 Ed. 2, MD-60, MZ-60-150, MZ-60-300.			



TESTS RESULTS	EN 54-2	General requirements	PASS	11 ÷ 14 (487/BA/13) 10 ÷ 19 (371/BA/17)
	EN 54-2	General requirements for indications	PASS	
	EN 54-2	The fire alarm condition	PASS	
	EN 54-2	Reception and processing of fire signals	PASS	
	EN 54-2	Output of the fire alarm condition	PASS	
	EN 54-2	Delay to outputs	PASS	
	EN 54-2	Dependencies on more than one alarm signal	PASS	
	EN 54-2	General requirements	PASS	
	EN 54-2	General requirements for indications	PASS	
	EN 54-2	The quiescent condition	PASS	
	EN 54-2	The fire alarm condition	PASS	
	EN 54-2	Fault warning condition	PASS	
	EN 54-2	Disabled condition	PASS	
	EN 54-2	Test condition	PASS	
	EN 54-2	Standardized input/output interface	NPD	
	EN 54-2	Design requirements	PASS	
	EN 54-2	Additional design requirements for software controlled control and indicating equipments	PASS	
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	EN 54-2 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-2 - EN 60068-2-75	Impact (operational)	PASS	
	EN 54-2 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-2 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-2 - EN 50130-4	Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	
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	EN 54-2 - EN 60068-2-78	Damp heat, steady state (operational)	PASS	
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	EN 54-2	Alarm counter	PASS	
	EN 54-2	Dependencies on more than one alarm signal	PASS	
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	EN 54-2	Disablement of addressable points	PASS	
	EN 54-2	Test condition	PASS	
	EN 54-2	Output to fire alarm devices	PASS	
	EN 54-2	Alarm transmission routing equipment	PASS	
	EN 54-2	Output for fire protection equipment	PASS	
	EN 54-2	Fault warning routing equipment	PASS	
	EN 54-2	Standardized input / output interface	NPD	
	EN 54-4	General requirements	PASS	
	EN 54-4	Functions	PASS	
EN 54-4	Materials, design and manufacture	PASS		
EN 54-4	General requirements	PASS		
EN 54-4	Functions	PASS		
EN 54-4	Materials, design and manufacture	PASS		
EN 54-4	Documentation	PASS		
EN 54-4	Marking	PASS		
EN 54-4 - EN 60068-2-1	Cold (operational)	PASS		
EN 54-4 - EN 60068-2-75	Impact (operational)	PASS		
EN 54-4 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
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EN 54-4 - EN 60068-2-78	Damp heat, steady state (operational)	PASS		
EN 54-4 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS		
PRODUCT APPLICATION GUIDELINE	KK-E332/09.2017 KK-E332/09.2017/EN	Control and indicating equipment with power supply equipment type POLON 6000 is used in fire detection and fire alarm systems. It is equipped with an integrated power supply. Control and indicating equipment has two 2 power sources: main supply and reserve supply.	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


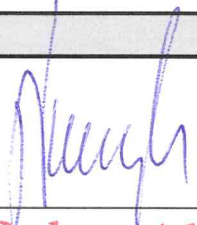

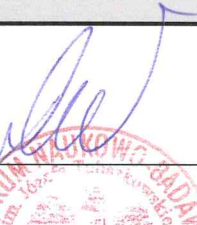

وزارة الداخلية

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			
(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	
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	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-0374 ISSUE 2 ISSUED BY CERTIFICATION BODY