

CERTIFICATE OF CONFORMITY

No. 0049/2024

Centrum Naukowo-Badawcze Ochrony Przeciwożarowej im. Józefa Tuliszowskiego – Państwowy Instytut Badawczy
upon a request by:

POLON-ALFA S.A.
ul. Glinki 155
85-861 Bydgoszcz, Republic of Poland

on the basis of the Act of 13 April 2016 on the system of conformity assessment and market surveillance
(Polish Journal of Laws: Dz. U. z 2022 r. poz. 1854); and in accordance with the procedures set out in the certification scheme of
CNBOP-PIB Certification Department on performing the processes of conformity certification of products (PC-DO) states,
that the product:

SYSTEM POLON 6000
based on control and indicating equipment type POLON 6000
with cooperating devices

manufactured by:	in the manufacturing plant:
POLON-ALFA S.A.	POLON-ALFA S.A.
ul. Glinki 155	ul. Glinki 155
85-861 Bydgoszcz, Republic of Poland	85-861 Bydgoszcz, Republic of Poland

meets the requirements of:

PN-EN 54-13+A1:2020-05 Fire detection and fire alarm systems –
Part 13: Compatibility and connectability assessment of system components

Documentation:

1. Application for the certification process of product conformity No. D/6949/2024 of 07.06.2024.
2. Test report No. 1352/BA/2023 of 12.03.2024 prepared by Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej (BA) CNBOP-PIB.

The certificate is valid provided that the Applicant complies with the requirements of the agreement No. 11/DC/DO/2024 of 07.06.2024.

Validity period: from 07.06.2024 until 06.06.2029

MANAGER OF
THE CERTIFICATION DEPARTMENT

Michał Chmiel, PhD Eng.



DIRECTOR OF CNBOP-PIB

st. bryg. Paweł Janik, PhD Eng.

Józefów, dnia: 7 June 2024

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No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
1	Polon-Alfa S.A.	Short-circuit isolator – duct smoke detector type DUO-6046K	1438-CPR-0652	1	wired
2		Input / output device – Control element type EKS-6000 in varieties EKS-6044, EKS-6022, EKS-6040, EKS-6004, EKS-6202, EKS-6400 with short-circuit isolator	1438-CPR-1017	1	wired
3		Power supply type PZB 6000 with an input / output module and short-circuit isolator	1438-CPR-0707	1	wired
4		Sounder with visual alarm device type SAB-6000 with socket G-40S in varieties SAB-6001-3RR, SAB-6001-6RR, SAB-6001-6WR, SAB-6001-3RW, SAB-6001-6RW, SAB-6001-6WW, SAB-6006-3RR, SAB-6006-6RR, SAB-6006-6WR, SAB-6006-3RW, SAB-6006-6RW, SAB-6006-6WW with short-circuit isolator	1438-CPR-0703	1	wired
5		Sounder type SAW-6000 with base G-40S in options SAW-6001 and SAW-6006	1438-CPR-0390	1	wired
6		Input / output device, using radio links – Adapter for radio detectors type ACR-4001 with short-circuit isolator	1438-CPR-0217	1	wired
7		Input / output device - Conventional line adapter type ADC- 4001M with short-circuit isolator	1438-CPR-0069	1	wired
8		Input / output device – digital communication adapter type AKC-6000 with short-circuit isolator	1438-CPR-0666	1	wired
9		Sounder with visual alarm device type SAB-6000 with socket G-40SK in varieties SAB-6101-3RR, SAB-6101-6RR, SAB-6101-6WR, SAB-6101-3RW, SAB-6101-6RW, SAB-6101-6WW, SAB-6102-3RR, SAB-6102-6RR, SAB-6102-6WR, SAB-6102-3RW, SAB-6102-6RW, SAB-6102-6WW, SAB-6106-3RR, SAB-6106-6RR, SAB-6106-6WR, SAB-6106-3RW, SAB-6106-6RW, SAB-6106-6WW	1438-CPR-0704	1	wired

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10	Polon-Alfa S.A.	Line smoke detector type DOP-6001 with short-circuit isolator	1438-CPR-0896	1	wired
11		Sounder type SAW-6000 with base G-40S in options SAW-6101 and SAW-6106	1438-CPR-0389	1	wired
12		Optical smoke detector type DOR-4046 with short-circuit isolator	1438-CPR-0013	1	wired
13		Point heat detector type TUN-6000 in varieties TUN-6046 and TUN-6043 with short-circuit isolator	1438-CPR-0988	1	wired
14		Smoke and heat detector type DOT-6000 in varieties DOT-6043, DOT-6046 with short-circuit isolator	1438-CPR-0798	1	wired
15		Short-circuit isolator – Smoke and flame detector type DPR-4046	1438-CPR-0839	1	wired
16		Universal smoke detector type DUO-6000 in varieties DUO-6046, DUO-6646, DUO-6043 with short-circuit isolator	1438-CPR-0474	1	wired
17		Universal smoke detector type DUO-6046AD with socket G-40S, sounder and short-circuit isolator	1438-CPR-0611	1	wired
18		Point detector using scattered light, transmitted light or ionization and using radio links – Universal wireless optical smoke detector type DUR-4047	1438-CPR-0216	1	radio
19		Smoke and heat detector type DUT-6046AD with socket G-40S, sounder and short-circuit isolator	1438-CPR-0618	1	wired
20		Input / output device – input / output element type EKS-6222P with short-circuit isolator	1438-CPR-0453	1	wired
21		Input / output device – Control element type EKS-6008 with short-circuit isolator	1438-CPR-0827	1	wired

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No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
22	POLON-ALFA S.A.	Input / output device – Control element type EKS-6080 with short-circuit isolator	1438-CPR-0828	1	wired
23		Control and indicating equipment, electrical automatic control and delay devices and power supply equipment. Manufacturer's name: Control panel for automatic extinguishing type IGNIS 2500	1438-CPR-0631	1	wired
24		Manual call point type ROP-4007, ROP-4007H for use with radio links	1438-CPR-0471	1	radio
25		Manual call point type ROP-4001M, ROP-4001MH with short-circuit isolator	1438-CPR-0090	1	wired
26		Power supply for smoke and heat control systems – Universal control panel type UCS 6000	1438-CPR-0576	1	wired
27		Sounder type SAW-6102 with G-40S socket	1438-CPR-0592	1	wired
28		Fire sounder type SAL-4001	1438/CPD/0028	1	wired
29		Remote alarm indicator – for use in construction objects – Remote alarm indicator type WZ-31	063-UWB-0492	1	wired
30		Flame detector type PPW-40REx	1438-CPR-0975	1	wired
31		Aspirating smoke detector type VENTUM LITE	0786-CPR-21728	1	wired
32		Aspirating smoke detector type VENTUM PRO, VENTUM PRO MAX	0786-CPR-21725	1	wired
33		Aspirating smoke detector type VENTUM PRO LITE	0786-CPR-21724	1	wired

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No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
34	POLON-ALFA S.A.	Universal optical smoke detector type DUR-40Ex	1438-CPR-0033	1	wired
35		Heat detector type TUN-38Ex	1438-CPR-0025	1	wired
36		Point flame detector type PUO-40 and PUO-40Ex	1438-CPR-0734	1	wired
37		Multi-sensor smoke and heat detector type DOT-40	1438-CPR-0089	1	wired
38		Fire detector – for use in construction buildings – Multi-sensor heat and flame detector type TOP-40	063-UWB-0368	1	wired
39		Optical smoke detector type DOR-40	1438-CPR-0020	1	wired
40		Universal optical smoke detector type DUR- 40	1438-CPR-0001	1	wired
41		Heat detector type TUP-40 with socket type G 40	1438-CPR-0019	1	wired
42		Manual call point type ROP-63, ROP-63H	1438/CPD/0091	1	wired
43		MERAWEX Sp. z o.o.	Power supply equipment for fire detection and fire alarm systems and smoke and heat control systems type ZSP100-1.5A-07, ZSP100-1.5A-18, ZSP100-2.5A-07, ZSP100-2.5A-18, ZSP100-4.0A-07, ZSP100-4.0A-18, ZSP100-4.0A-40, ZSP100-5.5A-07, ZSP100-5.5A-18, ZSP100-5.5A-40, ZSP100-7.5A-18, ZSP100-7.5A-40, ZSP100-7.5A-75, ZSP100-10A-18, ZSP100-10A-40, ZSP100-10A-75, ZSP100-12A-18, ZSP100-12A-40, ZSP100-12A-75	1438-CPR-0454	1

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No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
44	MERAWEX Sp. z o.o.	Power supply for fire detection and fire alarm systems, smoke and heat control systems, as well as for other fire protection equipment type ZSP135-DR	1438/CPD/0163	1	wired
45	W2 Poland sp. z o.o.	Sounder type SA-K5N	1438-CPR-0307	1	wired
46		Sounder type SA-K5, SA-K6, SA-K7	1438-CPR-0010	1	wired
47		Sounder with visual alarm device type SA-K7N in varieties: SA-K7N/3m, SA-K7N/6m, SA-K7N/9m	1438-CPR-0308	1	wired
48		Sounder with visual alarm device type SAOZ-Pk2	1438-CPR-0655	1	wired
49		Visual alarm device type SO-Pd13 in varieties: SO-Pd13/3m, SO-Pd13/3m/s, SO-Pd13/6m, SO-Pd13/6m/s, SO-Pd13/9m, SO-Pd13/9m/s	1438-CPR-0287	1	wired
50	Schraner GmbH	Fire brigade control panel FBF-D (Czech Republic)	G 210083	2	wired

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Technical data identifying the system:	
Name of the system	SYSTEM POLON 6000 based on control and indicating equipment type POLON 6000 with cooperating devices
Software version	1.0
Main power sources:	
Output voltage range, power supply [V AC]	230 (-15%; +25%)
Maximum current consumption from the grid [A]	2,5 – MZ-60-150 5 – MZ-60-300
Output voltage range [V DC]	24 (-15%; +25%)
Backup power source	2 batteries 12 V DC of 17÷134 Ah capacity
Characteristics of transmission path:	
Transmission path	wired, radio
Number of addressable quiescent lines	396 pcs
Maximum voltage in the quiescent current [V DC]	24,6
Maximum resistance of the quiescent line wires: <ul style="list-style-type: none"> ➤ addressable depending on configuration ➤ sided ADC-4001 ➤ between two consecutive elements containing a short circuit isolator 	50 mA / 2 x 45 Ω 22 mA / 2 x 75 Ω 20 mA / 2 x 100 Ω 2 x 25 Ω 40 Ω
Maximum wiring capacity of an addressable monitoring line, [nF]	300
Permissible current of the quiescent lines [mA]:	50

In the conformity assessment, N1 type certification scheme was applied, containing elements according to PN-EN ISO/IEC 17067:2014-01:

1. Selection (normative document, sampling);
2. Determination of characteristics by product testing and assessment of production conditions;
3. Review of obtained evidence of conformity;
4. Decision on certification;
5. Issuing certificate of conformity, granting the right for use;
6. Supervision by:
 - assessment of the production process,
 - review and analysis of information about client complaints submitted to the manufacturer and assessment of undertaken corrective and preventive actions.

ADDITIONAL TERMS AND NOTES

During the validity period of the certificate of conformity, the Applicant is obligated to mark the product with CNBOP-PIB abbreviation and the number of this certificate.

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