

CERTIFICATE OF CONFORMITY

No. 0042/2024

Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej 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 4000

based on control and indicating equipment type POLON 4200
with cooperating devices

manufactured by:

POLON-ALFA S.A.
ul. Glinki 155

85-861 Bydgoszcz, Republic of Poland

in the manufacturing plant:

POLON-ALFA S.A.
ul. Glinki 155

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/6874/2024 of 13.03.2024.
2. Test report No. 993/BA/2023 of 12.09.2023 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. 4/DC/DO/2024 of 13.03.2024.

Validity period:

from **13.03.2024**

until **12.03.2029**

MANAGER OF
THE CERTIFICATION DEPARTMENT



p.p. Deputy Manager
of the Certification Department
Wojciech Gągała, M.Sc. Eng.



DIRECTOR OF CNBOP-PIB



p.p. Deputy Director
for Research and Development
st. bryg. Daniel Małozieć, M.Sc. Eng.

Józefów, 13 March 2024

*This document was originally translated from Polish to English on 19 April 2024.
In case of conflict between the Polish certificate of conformity and this translation, the Polish document shall be binding*

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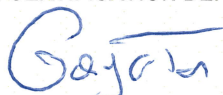
No. 0042/2024

SYSTEM POLON 4000 based on control and indicating equipment type POLON 4200 with cooperating devices

List of devices included in the test configuration according to test report No. 993/BA/2023 of 12.09.2023.

No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
1	Polon-Alfa S.A.	Control and indicating equipment type POLON 4200	1438-CPR-0128	1	wired
2		Short-circuit isolator – duct smoke detector type DUO-6046K	1438-CPR-0652	1	wired
3		Input / output device – input / output device type EKS-4001 with short-circuit isolator	1438-CPR-0071	1	wired
4		Input / output devices – control and steering equipment EKS-4001 W with short-circuit isolator	1438-CPR-0399	1	wired
5		Input / output device – multi-input monitoring device type EWK-4001 with short-circuit isolator	1438-CPR-0101	1	wired
6		Input / output device – multi-output control device type EWS-4001 with short-circuit isolator	1438-CPR-0070	1	wired
7		Power supply type PZB 6000 with an input / output module and short circuit isolator	1438-CPR-0707	1	wired
8		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 shortcut isolator	1438-CPR-0703	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
10		Sounder type SAW-6000 with base G-40S in options SAW-6001 and SAW-6006	1438-CPR-0390	1	wired

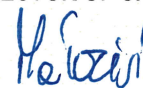
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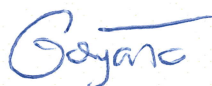
No. 0042/2024

SYSTEM POLON 4000 based on control and indicating equipment type POLON 4200 with cooperating devices

List of devices included in the test configuration according to test report No. 993/BA/2023 of 12.09.2023.

No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
11	POLON-ALFA S.A.	Sounder type SAW-6000 with base G-40S in options SAW-6101 and SAW-6106	1438-CPR-0389	1	wired
12		Input / output device, using radio links- adapter for radio detectors type ACR-4001 with short-circuit isolator	1438-CPR-0217	1	wired
13		Input / output device – Conventional line adapter type ADC- 4001M with short-circuit isolator	1438-CPR-0069	1	wired
14		Point heat detector type TUN-6000 in varieties TUN-6046 and TUN-6043 with short-circuit isolator	1438-CPR-0364	1	wired
15		Line smoke detector type DOP-6001R	1438-CPR-0219	1	wired
16		Optical smoke detector type: DOR-4043 with short-circuit isolator	1438-CPR-0014	1	wired
17		Optical smoke detector type: DOR-4046 with short-circuit isolator	1438-CPR-0013	1	wired
18		Smoke and heat detector type DOT-6000 in varieties DOT-6043, DOT-6046 with short-circuit isolator	1438-CPR-0798	1	wired
19		Short-circuit isolator – Smoke and flame detector type DPR-4046	1438-CPR-0839	1	wired
20		Universal smoke detector type DUO-6000 in varieties DUO-6046, DUO-6646, DUO-6043 with short-circuit isolators	1438-CPR-0474	1	wired

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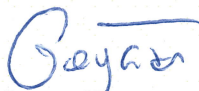
No. 0042/2024

**SYSTEM POLON 4000 based on control and indicating equipment
type POLON 4200 with cooperating devices**

List of devices included in the test configuration according to test report No. 993/BA/2023 of 12.09.2023.

No.	Manufacturer	Name	Certificate number	Component type (according to PN-EN 54-13)	Transmission path
21	POLON-ALFA S.A.	Universal smoke detector type DUO-6046AD with socket G-40S, sounder and short-circuit isolator	1438-CPR-0611	1	wired
22		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
23		Smoke and heat detector type DUT-6046AD with socket G-40S, sounder and short-circuit isolator	1438-CPR-0618	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		Fire sounder type SAL-4001	1438/CPD/0028	1	wired
27		Sounder type SAW-6102 with G-40S socket	1438-CPR-0592	1	wired
28		Remote signaling and service devices – for use in construction objects – parallel indication terminal type TSR-4000	063-UWB-0498	1	wired
29		TUN-6000 type point heat detector in variants TUN-6046 and TUN-6043 with short circuit isolator	1438-CPR-0988	1	wired
30		Control and indicating equipment in smoke and heat control systems – for use in construction objects – Universal control panel type UCS 6000	063-UWB-0461	1	wired

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SYSTEM POLON 4000 based on control and indicating equipment
type POLON 4200 with cooperating devices

Technical data identifying the system:

Name of the system	SYSTEM POLON 4000 based on control and indicating equipment type POLON 4200 with cooperating devices
Software version	PSC-43 V 4.0
Main power sources:	
Output voltage range, power supply [V AC]	230 (-15%; +10%)
Maximum current consumption from the grid [A]	0,8
Output voltage range [V DC]	24 (-15%; +25%)
Backup power source	2 batteries 12 V DC of 17 ÷ 38 Ah capacity
Characteristics of transmission path:	
Transmission path	wired, radio
Number of addressable quiescent lines	4 pcs
Maximum voltage in the quiescent current [V DC]	23,4 ÷ 24,6
Maximum resistance of the quiescent line wires: > addressable depending on configuration > sided ADC-4001 > between two consecutive elements containing a short circuit insulator	2 x 100 Ω; 2 x 75 Ω; 2 x 45 Ω 2 x 25 Ω 2 x 50 Ω
Maximum wiring capacity of an addressable monitoring line, [nF]	300
Permissible current of the quiescent lines (depending on configuration): > at maximum wire resistance 2 x 100 Ω > at maximum wire resistance 2 x 75 Ω > at maximum wire resistance 2 x 45 Ω	20 mA 22 mA 50 mA

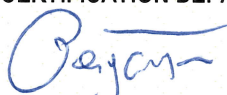
In the conformity assessment, N1 type certification scheme was applied, containing elements according to PN-EN ISO/IEC 17067:2014-01:

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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