

DECLARATION OF PERFORMANCE

Nr 1/E289/2/2013/PL

1. Unique product identification code: **ADR-20N**

SELF-CONTAINED OPTICAL SMOKE DETECTOR

2. Type, batch or serial number or any other element allowing identification of the product:

CODE 289/02 XY ZZZZZZ (year, quarter, number)

3. Intended use of the product, foreseen by the manufacturer:

Fire safety – self-contained smoke detector utilising diffused light effect for use in buildings

4. Name and contact address of the manufacturer:

Polon-Alfa Spółka z ograniczoną odpowiedzialnością Sp. k.

85-861 Bydgoszcz ul. Glinki 155, Poland

5. System of assessment and verification of constancy of performance: **System 1**

6. Notification body: **CNBOP-PIB nr 1438** performed a product certification according to system of assessment 1 and issued: **Certificate of accordance EC No. 1438/CPD/0145**

7. Declared performance:

No.	The essential characteristics of the product	Harmonized technical specification EN 14604:2005, clause	Performance
1	Normal conditions for start/sensitivity, response delay (response time) and performance under fire conditions		
	Smoke alarm signal	4.12	Passed
	Inter-connectable smoke alarms	4.18	Passed
	Repeatability	5.2	Passed
	Directional dependence	5.3	Passed
	Initial sensitivity	5.4	Passed
	Air movement	5.5	Passed
	Dazzling	5.6	Passed
	Fire sensitivity	5.15	Passed
	Sound output	5.17	Passed
	Sounder durability	5.18	Passed
	Inter-connectable smoke alarms	5.19	Passed
	Alarm silence facility (optional)	5.20	N/A
2	Operational reliability		
	Compliance	4.1	Passed
	Individual alarm indicator (optional)	4.2	Passed
	Mains-on indicator	4.3	N/A
	Connection of external ancillary devices	4.4	N/A
	Means of calibration	4.5	N/A
	User replaceable components	4.6	Passed

	Normal power source	4.7	Passed
	Standby power source	4.8	N/A
	Electrical safety requirements	4.9	Passed
	Routine test facility	4.10	Passed
	Terminals for external conductors	4.11	Passed
	Battery removal indication	4.13	Passed
	Battery connections	4.14	Passed
	Battery capacity	4.15	Passed
	Protection against the ingress of foreign bodies	4.16	Passed
	Additional requirements for software controlled smoke alarms	4.17	N/A
	Marking and data	4.19	Passed
	Impact	5.11	Passed
	Battery fault warning	5.16	Passed
	Battery reversal	5.22	Passed
	Back-up power source	5.23	N/A
	Electrical safety	5.24	Passed
3	Tolerance in supply voltage		
	Variation in supply voltage	5.21	Passed
4	Durability of operational reliability and response delay: Temperature resistance		
	Dry heat	5.7	Passed
	Cold (operational)	5.8	Passed
5	Durability of operational reliability: Vibration resistance		
	Sinusoidal vibrations (resistance)	5.12	Passed
	Sinusoidal vibrations (durability)	5.13	Passed
6	Durability of operational reliability: Humidity resistance		
	Damp heat resistance	5.9	Passed
7	Durability of operational reliability: Corrosion resistance		
	Sulphur dioxide (SO ₂) corrosion	5.10	Passed
8	Durability of operational reliability: Electrical stability		
	Electromagnetic Compatibility (EMC), immunity tests	5.14	Passed

8. Performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration is issued under the sole responsibility of the manufacturer, identified in point 4.

Bydgoszcz 1.07.2013.

President of the Board

Jerzy Karczewski

Polon-Alfa

Spółka z ograniczoną odpowiedzialnością Sp.k.

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