

DECLARATION OF PERFORMANCE

Nr 1/E343-2/2013/PL

1. Unique product identification code: **DOP-6001R**

OPTICAL BEAM SMOKE DETECTOR

2. Type, batch or serial number or any other element allowing identification of the product: **CODE 343-2XY ZZZZZZ** (year, quarter, number)

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

Fire safety – linear smoke detector, which operates using light beam to fire alarm systems, used 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/0219**

7. Declared performance:

No.	The essential characteristics of the product	Harmonized technical specification EN 54-12:2002, clause	Performance
1	Normal conditions for start/sensitivity		
	On-site adjustment of sensitivity	4.5	Passed
	Compensation range	4.8	Passed
	Fault signaling	4.10	Passed
	Reproducibility	5.2	Passed
	Direction dependence	5.4	Passed
	Slow changes in light attenuation	5.7	Passed
	Optical path length dependence	5.8	Passed
	Fire sensitivity	5.9	Passed
	Light interference	5.10	Passed
2	Response delay (response time)		
	Repeatability	5.3	Passed
	Rapid changes in attenuation	5.6	Passed
3	Operational reliability		
	Connection of ancillary devices	4.3	Passed
	Manufacturer's adjustments	4.4	Passed
	Protection against ingress of foreign bodies	4.6	Passed
	Monitoring of detachable detectors and connections	4.7	Passed
	Additional requirements for software controlled detectors	4.9	Passed
	Electromagnetic compatibility	5.16	Passed
	Immunity to mechanical impacts	5.18	Passed
4	Voltage tolerance		

	Variation of supply parameters	5.5	Passed
5	Efficiency (performance) under fire conditions		
	Alarm indicator	4.2	Passed
6	Durability of operational reliability and response delay, temperature resistance		
	Dry heat endurance	5.11	Passed
	Cold resistance	5.12	Passed
7	Durability of operational reliability: Vibration resistance		
	Immunity to sinusoidal vibrations	5.16	Passed
8	Durability of operational reliability: Humidity resistance		
	Damp heat, steady state endurance	5.13	Passed
	Ability to withstand steady state damp heat	5.14	Passed
9	Durability of operational reliability: Corrosion resistance		
	Sulphur dioxide (SO₂) corrosion	5.17	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 01.07.2013.

President of the Board

Jerzy Karczewski