

DECLARATION OF PERFORMANCE

Nr 1/E317-2/2013/PL

1. Unique product identification code:

DUR-40Ex

UNIVERSAL OPTICAL SMOKE DETECTOR

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

CODE 317-2 XY ZZZZZZ (year, quarter, number)

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

Fire safety – point smoke detector, which operates using stray light 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/0033.**

7. Declared performance:

No.	The essential characteristics of the product	Harmonized technical specification EN 54-7:2002, A1:2002, clause	Performance
1	Normal conditions for start/sensitivity, response delay (response time) and performance under fire conditions		
	Reaction to slowly developing fires	4.8	Passed
	Repeatability	5.2	Passed
	Direction dependence	5.3	Passed
	Reproducibility	5.4	Passed
	Air movement resistance	5.6	Passed
	Dazzle resistance	5.7	Passed
	Fire sensitivity	5.18	Passed
2	Operational reliability		
	Alarm indicator	4.2	Passed
	Connection of ancillary devices	4.3	Passed
	Monitoring of detachable detectors	4.4	Passed
	Manufacturer's adjustments	4.5	Passed
	On-site adjustment of sensitivity	4.6	Passed
	Protection against the ingress of foreign	4.7	Passed

	bodies		
	Marking	4.9	Passed
	Specification	4.10	Passed
	Additional requirements for software controlled detectors	4.11	Passed
3	Voltage tolerance		
	Variation of supply parameters (resistance)	5.5	Passed
4	Durability of operational reliability: Temperature resistance		
	Dry heat endurance	5.7	Passed
	Cold resistance	5.8	Passed
5	Durability of operational reliability: Vibration resistance		
	Immunity to mechanical shocks	5.13	Passed
	Immunity to mechanical impacts	5.14	Passed
	Immunity to sinusoidal vibrations	5.15	Passed
	Ability to withstand sinusoidal vibrations	5.16	Passed
6	Durability of operational reliability: Humidity resistance		
	Damp heat, steady state endurance	5.10	Passed
	Ability to withstand steady state damp heat	5.11	Passed
7	Durability of operational reliability: Corrosion resistance		
	Ability to withstand sulphur dioxide (SO ₂) corrosion	5.12	Passed
8	Durability of operational reliability: Electrical stability		
	Electrical compatibility (resistance)	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

Polon-Alfa

Spółka z ograniczoną odpowiedzialnością Sp.k.

ul. Glinki 155

85-861 BYDGOSZCZ