

DECLARATION OF PERFORMANCE

Nr 1/E280/2013/PL

1. Unique product identification code:

TUN-38Ex

HEAT DETECTOR

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

CODE 280 XY ZZZZZZ (year, quarter, number)

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

Fire safety – point heat detector 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/0025.**

7. Declared performance:

No.	The essential characteristics of the product	Harmonized technical specification EN 54-5:2000, A1:2002, clause	Performance
1	Normal conditions for start/sensitivity, response delay (response time) and performance under fire conditions		
	Classification	4.2	Passed
	Position of heat sensitive elements	4.3	Passed
	Direction dependence	5.2	Passed
	Static response temperature	5.3	Passed
	Response times from typical application temperature	5.4	Passed
	Response times from 25 °C	5.5	Passed
	Response times from high ambient temperature	5.6	Passed
2	Normal conditions for start/sensitivity, response delay (response time) and performance under fire conditions		
	Reproducibility	5.8	Passed
	Test for suffix S detectors	6.1	Passed
	Test for suffix R detectors	6.2	Passed
3	Operational reliability		
	Individual alarm indicator	4.4	Passed

	Connection of ancillary devices	4.5	Passed
	Monitoring of detachable detectors	4.6	Passed
	Manufacturer's adjustments	4.7	Passed
	On-site adjustment of sensitivity	4.8	Passed
	Marking	4.9	Passed
	Specification	4.10	Passed
	Additional requirements for software controlled detectors	4.11	N/A
3	Voltage tolerance		
	Variation of supply parameters	5.7	Passed
4	Durability of operational reliability and response delay, temperature resistance		
	Cold endurance	5.9	Passed
	Ability to withstand cold dry heat	5.10	Passed
5	Durability of operational reliability: Vibration resistance		
	Immunity to mechanical shocks	5.14	Passed
	Immunity to mechanical impacts	5.15	Passed
	Immunity to sinusoidal vibrations	5.16	Passed
	Ability to withstand sinusoidal vibrations	5.17	Passed
6	Durability of operational reliability: Humidity resistance		
	Damp heat, steady state endurance	5.11	Passed
	Ability to withstand steady state damp heat	5.12	Passed
7	Durability of operational reliability: Corrosion resistance		
	Ability to withstand sulphur dioxide (SO ₂) corrosion	5.13	Passed
8	Durability of operational reliability: Electrical stability		
	Electrical compatibility (EMC), resistance test	5.18	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.

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