

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 1736

In compliance with Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Fire detection and fire alarm systems. Heat detectors - Point heat detectors. Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization. Short-circuit isolators. Interactive addressable combined heat-smoke detector, classes A2R, A2S, with 3 levels of optical sensitivity - low, medium and high with built-in line isolator, model: FD7160M, with mounting base 7100**

(with the performance listed, see Annexes I, II and III to 1922-CPR-1736 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of  
**UniPOS Ltd.**



**47 San Stefano Str., 5800 Pleven, Bulgaria**

and produced in the manufacturing plant of

**UniPOS Ltd.**

**47 San Stefano Str., 5800 Pleven, Bulgaria**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

**EN 54-5:2017+A1:2018, EN 54-7:2018; EN 54-17:2005, EN 54-17:2005/AC:2007** under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 21.03.2022 and will remain valid until 01.12.2025 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. The certificate is supported through annual surveillance audit. The validity of the certificate may be confirmed in the CF register at the web address [www.dedal-bg.net](http://www.dedal-bg.net).



Manager: *Anna Vasileva*

Issued:  
Burgas, 14 October 2022

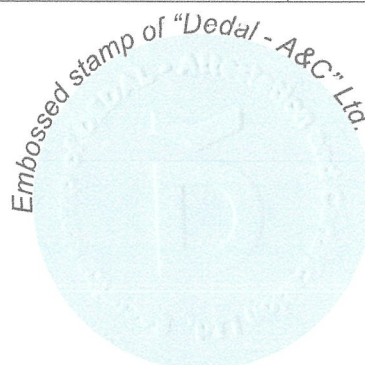
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## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1736/ 14.10.2022

Performance list, acc. to EN 54-5:2017+A1:2018

Essential Characteristics	Performance	Clause
<b>Operational reliability</b>		
- Position of heat sensitive element	Pass	4.2.1
- Individual alarm indication	Pass	4.2.2
- Connection of ancillary devices	Pass	4.2.3
- Monitoring of detachable point heat detectors	Pass	4.2.4
- Manufacturing adjustments	Pass	4.2.5
- On site adjustment of response behaviour	Pass	4.2.6
- Software controlled detectors (when provided)	Pass	4.2.7
<b>Nominal activation conditions/ Sensitivity</b>		
- Directional dependence	Pass	4.3.1
- Static response temperature	Pass	4.3.2
- Response times from typical application temperature	Pass	4.3.3
- Response times from 25 °C	N/A	4.3.4
- Response times from high ambient temperature	Pass	4.3.5
- Reproducibility	Pass	4.3.6
<b>Response delay (response time)</b>		
- Additional test for suffix S point heat detectors	Pass	4.4.1
- Additional test for suffix R point heat detectors	Pass	4.4.2
<b>Tolerance to supply voltage</b>		
- Variation in supply parameters	Pass	4.5
<b>Durability of Nominal activation conditions /Sensitivity</b>		
Temperature resistance		
- Cold (operational)	Pass	4.6.1.1
- Dry heat (endurance)	N/A	4.6.1.2
Humidity resistance		
- Damp heat, cycling (operational)	Pass	4.6.2.1
- Damp heat, steady-state (endurance)	Pass	4.6.2.2
<b>Corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	4.6.3
<b>Vibration Resistance</b>		
- Shock (operational)	Pass	4.6.4.1
- Impact (operational)	Pass	4.6.4.2
- Vibration, sinusoidal (operational)	Pass	4.6.4.3
- Vibration, sinusoidal (endurance)	Pass	4.6.4.4
<b>Durability of operational reliability, electrical stability</b>		
- (EMC), immunity (operational)	Pass	4.6.5



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## ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1736/ 14.10.2022

Performance list, acc. to EN 54-7:2018

Essential Characteristics	Performance	Clause
<b>Operational reliability</b>		
- Individual alarm indication	Pass	4.2.1
- Connection of ancillary devices	Pass	4.2.2
- Monitoring of detachable detectors	Pass	4.2.3
- Manufacturer's adjustments	Pass	4.2.4
- On site adjustment of response behaviour	Pass	4.2.5
- Protection against the ingress of foreign bodies	Pass	4.2.6
- Responce to slowly developing fires	Pass	4.2.7
- Software controlled detector (when provided)	Pass	4.2.8
<b>Nominal activation conditions / Sensitivity</b>		
- Repeatability	Pass	4.3.1
- Directional dependence	Pass	4.3.2
- Reproducibility	Pass	4.3.3
<b>Responce delay (responce time)</b>		
- Air movement	Pass	4.4.1
- Dazzling	Pass	4.4.2
<b>Tolerance to supply voltage</b>		
- Variation in supply parameters	Pass	4.5
<b>Performance parameters under fire conditions:</b>		
- Fire sensitivity	Pass	4.6
<b>Durability of Nominal activation condition/ Sensitivity</b>		
<b>Temperature resistance</b>		
- Cold (operational)	Pass	4.7.1.1
- Dry heat (operational)	Pass	4.7.1.2
<b>Humidity resistance</b>		
- Damp heat, steady - state (operational)	Pass	4.7.2.1
- Damp heat, steady - state (endurance)	Pass	4.7.2.2
<b>Corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	4.7.3
<b>Vibration Resistance</b>		
- Shock (operational)	Pass	4.7.4.1
- Impact (operational)	Pass	4.7.4.2
- Vibration, sinusoidal (operational)	Pass	4.7.4.3
- Vibration, sinusoidal (endurance)	Pass	4.7.4.4
<b>Electrical stability</b>		
- EMC, immunity (operational)	Pass	4.7.5



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## ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1736/ 14.10.2022

Performance list, acc. to EN 54-17:2005, EN 54-17:2005/AC:2007

Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b>		
- Reproducibility	Pass	5.2
<b>Operational reliability</b>		
- Requirements	Pass	4
<b>Durability of operational reliability, temperature resistance</b>		
- Dry heat (operational)	Pass	5.4
- Cold (operational)	Pass	5.5
<b>Durability of operational reliability, vibration resistance</b>		
- Shock (operational)	Pass	5.9
- Impact (operational)	Pass	5.10
- Vibration, sinusoidal (operational)	Pass	5.11
- Vibration, sinusoidal (endurance)	Pass	5.12
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, cyclic (operational)	Pass	5.6
- Damp heat, steady state (endurance)	Pass	5.7
<b>Durability of operational reliability, corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.8
<b>Durability of operational reliability, electrical stability</b>		
- Variation of supply parameters	Pass	5.3
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13



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