

CERTIFICATE

of constancy of performance

1922 - CPR - 1808

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 detectors. Smoke detectors - Point detectors using scattered light, transmitted light or ionization. Short-circuit isolators. Addressable Combined-Optical Smoke and Heat Fire Detector D9000A MSR A1R; Addressable Combined-Optical Smoke and Heat Fire Detector with Short Circuit Isolator D9000AI MSR A1R, with mounting base B9000A

(with the performance listed, see Annexes I, II and III to 1922-CPR-1808 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

DMTech Ltd.

1 Ekzarh Yosif Str., 5800 Pleven, Bulgaria

and produced in the manufacturing plant of

DMTech Ltd.

58 Kliment Ohridski Str., 5803 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 and 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 22.06.2022 and will remain valid 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 CE register at the web address www.dedal-bg.net.



Manager:

Anna Vasileva

dipl. eng. Anna Vasileva

ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1808/22.06.2022

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

Essential Characteristics	Performance	Clause
Operational reliability		
- 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	N/A	4.2.6
- Software controlled detectors (when provided)	N/A	4.2.7
Nominal activation conditions/ Sensitivity		
- 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
Response delay (response time)		
- Additional test for suffix S point heat detectors	N/A	4.4.1
- Additional test for suffix R point heat detectors	Pass	4.4.2
Tolerance to supply voltage		
- Variation in supply parameters	Pass	4.5
Durability of Nominal activation conditions /Sensitivity		
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
Corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	4.6.3
Vibration Resistance		
- 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
Durability of operational reliability, electrical stability		
- (EMC), immunity (operational)	Pass	4.6.5



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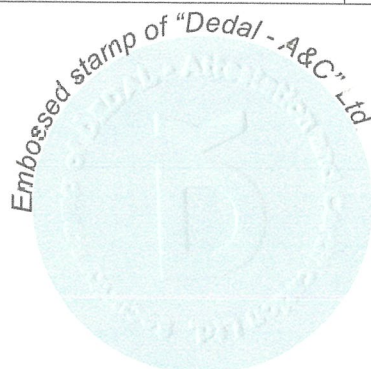
Issued:
Burgas, 22 June 2022
Ref. No. 01-00

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ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1808/22.06.2022

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

Essential Characteristics	Performance	Clause
Operational reliability		
- 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	N/A	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)	N/A	4.2.8
Nominal activation conditions / Sensitivity		
- Repeatability	Pass	4.3.1
- Directional dependence	Pass	4.3.2
- Reproducibility	Pass	4.3.3
Responce delay (responce time)		
- Air movement	Pass	4.4.1
- Dazzling	Pass	4.4.2
Tolerance to supply voltage		
- Variation in supply parameters	Pass	4.5
Performance parameters under fire conditions:		
- Fire sensitivity	Pass	4.6
Durability of Nominal activation condition/ Sensitivity		
Temperature resistance		
- Cold (operational)	Pass	4.7.1.1
- Dry heat (operational)	Pass	4.7.1.2
Humidity resistance		
- Damp heat, steady - state (operational)	Pass	4.7.2.1
- Damp heat, steady - state (endurance)	Pass	4.7.2.2
Corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	4.7.3
Vibration Resistance		
- 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
Electrical stability		
- EMC, immunity (operational)	Pass	4.7.5



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ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1808/22.06.2022

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

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

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