

# CERTIFICATE

of constancy of performance

**1922 - CPR - 1271**

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; Addressable Combined-Optical Smoke and Heat Fire Detector with Short Circuit Isolator D9000AI MSR, with mounting base B9000A**

(with the performance listed, see Annexes I, II and III to 1922-CPR-1271 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.**

**16 Nikolay Haytov Str., 5806 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 54-5:2000; EN 54-5:2000/A1:2002, EN 54-7:2000; EN 54-7:2000/A1:2002; EN 54-7:2000/A2:2006 and EN 54-17:2006, 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 01.11.2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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](http://www.dedal-bg.net).



Manager:

*Baurenba*

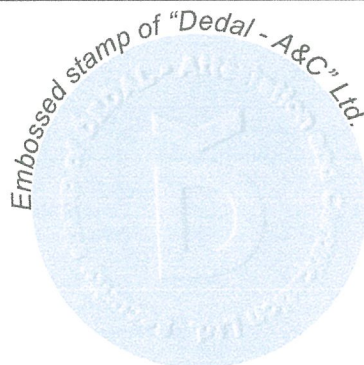
Issued:  
Burgas, 18 September 2020

dipl. eng. Anna Vasileva

## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1271/18.09.2020

Performance list, acc. to EN 54-5:2000, EN 54-5:2000/A1:2002

Essential Characteristics	Performance	Clause
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>		
- Classification	Pass, A1R	4.2
- Position of heat sensitive element	Pass	4.3
- Directional dependence	Pass	5.2
- Static response temperature	Pass	5.3
- Response times from typical application temperature	Pass	5.4
- Response times from 25 °C	N/A	5.5
- Response times from high ambient temperature	Pass	5.6
- Reproducibility	Pass	5.8
- Additional test for suffix S detectors	N/A	6.1
- Additional test for suffix R detectors	Pass	6.2
<b>Operational reliability</b>		
- Individual alarm indication	Pass	4.4
- Connection of ancillary devices	Pass	4.5
- Monitoring of detachable detectors	Pass	4.6
- Manufacturer's adjustments	Pass	4.7
- On-site adjustment of response behaviour	N/A	4.8
- Marking	Pass	4.9
- Data	Pass	4.10
- Additional requirements for software controlled detectors	N/A	4.11
<b>Tolerance to supply voltage</b>		
- Variation in supply parameters	Pass	5.7
<b>Durability of operational reliability and response delay, temperature resistance</b>		
- Cold (operational)	Pass	5.9
- Dry heat (endurance)	N/A	5.10
<b>Durability of operational reliability, vibration resistance</b>		
- Shock (operational)	Pass	5.14
- Impact (operational)	Pass	5.15
- Vibration, sinusoidal (operational)	Pass	5.16
- Vibration, sinusoidal (endurance)	Pass	5.17
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, cyclic (operational)	Pass	5.11
- Damp heat, steady state (endurance)	Pass	5.12
<b>Durability of operational reliability, corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.13
<b>Durability of operational reliability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	15.18



Manager:

*Anna Vasileva*

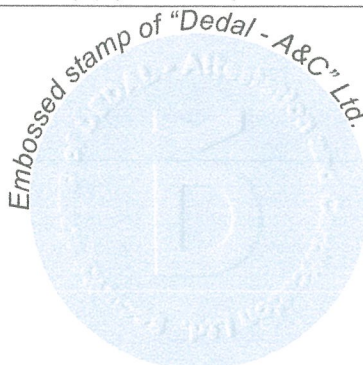
Issued:  
Burgas, 18 September 2020

dipl. eng. Anna Vasileva

## ANNEX II TO CERTIFICATE OF CONFORMITY OF CONSTANCY OF PERFORMANCE 1922-CPR-1271/ 18.09.2020

Performance list, acc. to EN 54-7:2000, EN 54-7:2000/A1:2002, EN 54-7:2000/A2:2006

Essential Characteristics	Performance	Clause
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>		
- Response to slowly developing fires	Pass	4.8
- Repeatability	Pass	5.2
- Directional dependence	Pass	5.3
- Reproducibility	Pass	5.4
- Air movement	Pass	5.6
- Dazzling	Pass	5.7
- Fire sensitivity	Pass	5.18
<b>Operational reliability</b>		
- Individual alarm indication	Pass	4.2
- Connection of ancillary devices	Pass	4.3
- Monitoring of detachable detectors	Pass	4.4
- Manufacturer's adjustments	Pass	4.5
- On-site adjustment of response behaviour	N/A	4.6
- Protection against the ingress of foreign bodies	Pass	4.7
- Marking	Pass	4.9
- Data	Pass	4.10
- Additional requirements for software controlled detectors	N/A	4.11
<b>Tolerance to supply voltage</b>		
- Variation in supply parameters	Pass	5.5
<b>Durability of operational reliability and response delay, temperature resistance</b>		
- Dry heat (operational)	Pass	5.8
- Cold (operational)	Pass	5.9
<b>Durability of operational reliability, vibration resistance</b>		
- Shock (operational)	Pass	5.13
- Impact (operational)	Pass	5.14
- Vibration, sinusoidal (operational)	Pass	5.15
- Vibration, sinusoidal (endurance)	Pass	5.16
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, steady state (operational)	Pass	5.10
- Damp heat, steady state (endurance)	Pass	5.11
<b>Durability of operational reliability, corrosion resistance</b>		
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	5.12
<b>Durability of operational reliability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.17



Manager:

*Anna Vasileva*

Issued:  
Burgas, 18 September 2020

dipl. eng. Anna Vasileva

**ANNEX III TO CERTIFICATE OF CONFORMITY OF CONSTANCY OF PERFORMANCE  
1922-CPR-1271/ 18.09.2020**

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

This certificate was first issued on 01.11.2019 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](http://www.dedal-bg.net).



Manager:

dipl. eng. Anna Vasileva

Issued:  
Burgas, 18 September 2020