

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 0845

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. Conventional heat detector D9000-T (A1R; A1S), with mounting base B9000**

(with the performance listed, see Annex I and Annex II to 1922-CPR-0845 that is 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.**

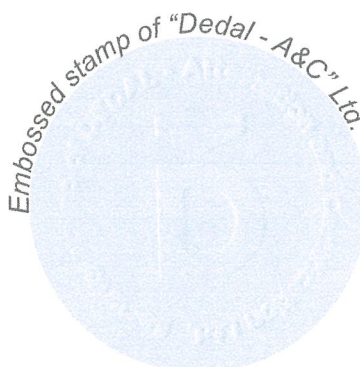
**16 Nikolay Haytov Str., 5806 Pleven, Bulgaria**

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

**EN 54-5:2000, EN 54-5:2000/A1:2002**

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 18.04.2017 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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:

*Anna Vasileva*

Issued:  
Burgas, 09 June 2020

dipl. eng. Anna Vasileva

## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 0845/09.06.2020

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

### Conventional rate of rise heat detector D9000 T (A1R)

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	Pass	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:



## ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 0845/09.06.2020

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

### Conventional fixed heat detector D9000 T (A1S)

Essential Characteristics	Performance	Clause
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>		
- Classification	Pass, A1S	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	Pass	6.1
- Additional test for suffix R detectors	N/A	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	Pass	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



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