

CERTIFICATE

of constancy of performance

1922 - CPR - 1273

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.

Addressable heat detector with short-circuit isolator D9000AI T A1R,

Addressable heat detector D9000A T A1R,

Addressable heat detector with short-circuit isolator D9000AI T A1S,

Addressable heat detector D9000A T A1S, with mounting base B9000A

(with the performance listed, see Annexes I and II to 1922-CPR-1273 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 54-17:2005, 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 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.



Manager:

Anna Vasileva

Issued:
Burgas, 09 June 2020

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ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1273/09.06.2020, (page 1/2)

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

Addressable heat detector D9000AI T A1R; Addressable heat detector D9000A T A1R

Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
- 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
Operational reliability		
- 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	Pass	4.8
- Marking	Pass	4.9
- Data	Pass	4.10
- Additional requirements for software controlled detectors	Pass	4.11
Tolerance to supply voltage		
- Variation in supply parameters	Pass	5.7
Durability of operational reliability and response delay, temperature resistance		
- Cold (operational)	Pass	5.9
- Dry heat (endurance)	N/A	5.10
Durability of operational reliability, vibration resistance		
- Shock (operational)	Pass	5.14
- Impact (operational)	Pass	5.15
- Vibration, sinusoidal (operational)	Pass	5.16
- Vibration, sinusoidal (endurance)	Pass	5.17
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	5.11
- Damp heat, steady state (endurance)	Pass	5.12
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.13
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	15.18



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ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1273/09.06.2020, (page 2/2)

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

Addressable heat detector D9000AI T A1S; Addressable heat detector D9000A T A1S

Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
- 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
Operational reliability		
- 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	Pass	4.8
- Marking	Pass	4.9
- Data	Pass	4.10
- Additional requirements for software controlled detectors	Pass	4.11
Tolerance to supply voltage		
- Variation in supply parameters	Pass	5.7
Durability of operational reliability and response delay, temperature resistance		
- Cold (operational)	Pass	5.9
- Dry heat (endurance)	N/A	5.10
Durability of operational reliability, vibration resistance		
- Shock (operational)	Pass	5.14
- Impact (operational)	Pass	5.15
- Vibration, sinusoidal (operational)	Pass	5.16
- Vibration, sinusoidal (endurance)	Pass	5.17
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	5.11
- Damp heat, steady state (endurance)	Pass	5.12
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.13
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	15.18



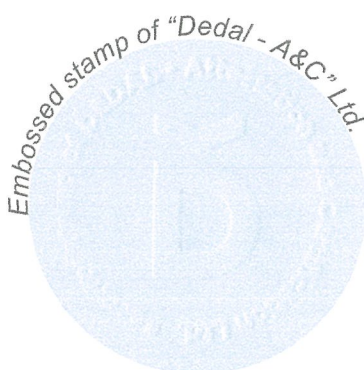
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**ANNEX II TO CERTIFICATE OF CONFORMITY OF CONSTANCY OF PERFORMANCE
1922-CPR-1273/ 09.06.2020**

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



Manager:

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