

CERTIFICATE

of constancy of performance

1922 - CPR - 1459

In compliance with Regulation 305/2011/EU 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. tekrim TFD-1271 Intelligent Addressable Multisensor Detector (Smoke & Heat) With Built in Isolator and Base TFA-0120

(For list of controlled characteristics, see Annex I, Annex II and Annex III to 1922 - CPR - 1459 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

Bilgi Elektronik Sanayi ve Ticaret A.Ş.

**Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi No:1, Kat:2
D.32 Ümraniye, İstanbul, Turkey**

and produced in the manufacturing plant of

Bilgi Elektronik Sanayi ve Ticaret A.Ş.

**Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi No:1, Kat:2
D.32 Ümraniye, İstanbul, Turkey**

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, 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 11.12.2020 and will remain valid until 28.11.2023 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 and is reissued after each 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

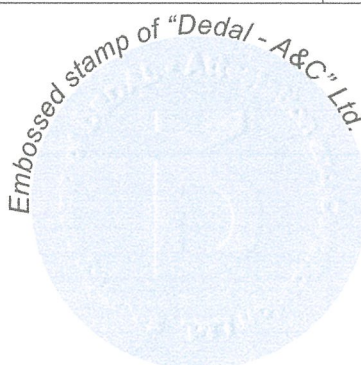
Issued:
Burgas, 11 December 2020

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ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1459/ 11.12.2020

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	Pass	4.2.6
- Software controlled detectors (when provided)	Pass	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	Pass	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	Pass	4.4.1
- Additional test for suffix R point heat detectors	N/A	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
Electrical stability		
- (EMC), immunity (operational)	Pass	4.6.5



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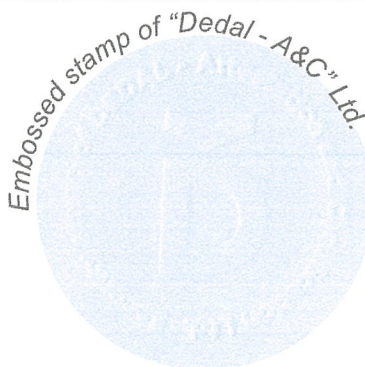
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ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

1922-CPR-1459/ 11.12.2020

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	Pass	4.2.5
- Protection against the ingress of foreign bodies	Pass	4.2.6
- Response to slowly developing fires	Pass	4.2.7
- Software controlled detector (when provided)	Pass	4.2.8
Nominal activation conditions / Sensitivity		
- Repeatability	Pass	4.3.1
- Directional dependence	Pass	4.3.2
- Reproducibility	Pass	4.3.3
Response delay (response 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 (SO2) 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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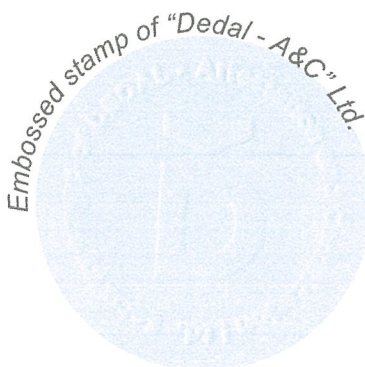
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ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1459/ 11.12.2020

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

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