



2831-CPR-F4749

DECLARATION OF PERFORMANCE

In accordance with 305/2011/EU
Ref: BİLGİ-CPR-202311-02

Product Code: teknim TFD-4240

Product Name: Conventional Heat Detector (Fixed Heat)

Base: teknim TFA-0120

Manufacturer: Bilgi Elektronik San. ve Tic. A.Ş.
Dudullu Organize Sanayi Bölgesi 1.Cadde İsmet Tarman İş
Merkezi No:1 D:32 34776 Ümraniye - İstanbul / Türkiye

Intended Use: Fire Detection and Fire Alarm Systems Installed in Buildings

Systems of Assessment and Verification for Constancy of Performance: System 1

Harmonized Standards: EN 54-5:2017+ A1:2018

Notified Body: BRE Global Ireland – NB No: 2831

Essential Characteristics	Performance	EN 54-5: 2017+A1:2018
Operational reliability		
— Position of heat sensitive element	Pass	5.2.1
— Individual alarm indication	Pass	5.2.2
— Connection of ancillary devices	Pass	5.2.3
— Monitoring of detachable point detectors	Pass	5.2.4
— Manufacturer's adjustments	Pass	5.2.5
— On site adjustment of response behaviour	Pass	5.2.6
— Requirements for software-controlled detectors	Pass	5.2.7
Nominal activation conditions/Sensitivity		
— Directional dependence	Pass	5.3.1
— Static response temperature	Pass	5.3.2
— Response time from typical application temperature	Pass	5.3.3
— Response times from high ambient temperature	Pass	5.3.5
— Reproducibility	Pass	5.3.6
— Variation in supply	Pass	5.5.1
Response delay (response time)		
— Additional test for suffix S point heat detectors	Pass	5.4.1
— Additional test for suffix R point heat detectors	N/A	5.4.2
Durability of Nominal activation conditions /Sensitivity		
Temperature resistance		
— Cold (operational)	Pass	5.6.1.1
— Dry heat (endurance)	Pass	5.6.2.2
Humidity resistance		
— Damp heat, cycling (operational)	Pass	5.6.2.1
— Damp heat, steady-state (endurance)	Pass	5.6.2.2
Corrosion resistance		
— Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.6.3.1
Vibration Resistance		
— Shock (operational)	Pass	5.6.4.1
— Impact (operational)	Pass	5.6.4.2
— Vibration, sinusoidal (operational)	Pass	5.6.4.3
— Vibration, sinusoidal (endurance)	Pass	5.6.4.4
Durability of operational reliability, electrical stability		
— Electrostatic discharge (operational)	Pass	5.18a
— Radiated electromagnetic fields (operational)	Pass	5.18b
— Conducted disturbances (operational)	Pass	5.18c
— Fast transient bursts (operational)	Pass	5.18d
— Slow high energy surge (operational)	Pass	5.18e

The performance of the product identified above is in conformity with the set of declared performance characteristics. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Istanbul, 09.03.2023

Signed for and on behalf of the manufacturer by:

*Saruhan Acar
Vice General Manager*

A handwritten signature in black ink, consisting of stylized letters 'S' and 'A' followed by a horizontal line, positioned below the printed name and title.