



1922-CPR-0873

DECLARATION OF PERFORMANCE

In accordance with 305/2011/EU
Ref: BİLGİ-CPR-202309-16

Product Code: teknim TFS-3192R
teknim TFS-3192W

Product Name: Conventional Fire Alarm Siren with Strobe (Red)
Conventional Fire Alarm Siren with Strobe (White)

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 54-3:2001, EN 54-3:2001/A1:2002,
EN 54-3:2001/A2:2006, EN 54-23:2010

Notified Body: DEDAL Attestation & Certification – NB No:1922

Essential Characteristics	Performance	EN 54-3:2001 +A1:2002+A2:2006
Performance parameters under fire conditions		
— Sound level	Pass	4.2
— Frequencies and sound pattern	Pass	4.3
— Reproducibility	Pass	5.2
— Operational performance	Pass	5.3
— Attention drawing signal and message broadcast sequences	N/A	C.3.1
— Synchronization	N/A	C.3.2
— Broadcast message performance	N/A	C.5.1
— Attention drawing signal/silence/message sequence timing	N/A	C.5.2
— Message synchronization testing	N/A	C.5.3
Operational reliability		
— Durability	Pass	4.4
— Construction	Pass	4.5
— Marking and data	Pass	4.6
— Durability	Pass	5.4
— General testing	N/A	C.4
Durability of operational reliability, temperature resistance		
— Dry heat (operational)	Pass	5.5
— Dry heat (endurance)	N/A	5.6
— Cold (operational)	Pass	5.7
— Damp heat, cyclic (operational)	Pass	5.8
— Damp heat, steady state (endurance)	Pass	5.9
Durability of operational reliability, humidity resistance		
— Damp heat, cyclic (operational)	Pass	5.8
— Damp heat, steady state (endurance)	Pass	5.9
— Damp heat, cyclic (endurance)	N/A	5.10
Durability of operational reliability, corrosion resistance		
— Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.11
Durability of operational reliability, shock and vibration resistance		
— Shock (operational)	Pass	5.12
— Impact (operational)	Pass	5.13
— Vibration, sinusoidal (operational)	Pass	5.14
— Vibration, sinusoidal (endurance)	Pass	5.15
Durability, electrical stability		
— Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16
Durability of operational reliability, resistance to ingress		
— Enclosure protection	Pass	5.17

<i>Essential Characteristics</i>	<i>Performance</i>	<i>EN 54-23:2010</i>
Operational reliability		
— <i>Duration of operation</i>	<i>Pass</i>	<i>4.2.1</i>
— <i>Provision for external conductors</i>	<i>Pass</i>	<i>4.2.2</i>
— <i>Flammability of materials</i>	<i>Pass</i>	<i>4.2.3</i>
— <i>Enclosure protection</i>	<i>Pass</i>	<i>4.2.4</i>
— <i>Access</i>	<i>Pass</i>	<i>4.2.5</i>
— <i>Manufacturer's adjustments</i>	<i>Pass</i>	<i>4.2.6</i>
— <i>On-site adjustment of behavior</i>	<i>N/A</i>	<i>4.2.7</i>
— <i>Requirements for software controlled devices</i>	<i>Pass</i>	<i>4.2.8</i>
Performance parameters under fire conditions		
— <i>Coverage volume</i>	<i>Pass (W-2,4-4)</i>	<i>4.3.1</i>
— <i>Variation of light output</i>	<i>Pass</i>	<i>4.3.2</i>
— <i>Minimum and maximum light intensity</i>	<i>Pass</i>	<i>4.3.3</i>
— <i>Light colour</i>	<i>Pass</i>	<i>4.3.4</i>
— <i>Light pattern and frequency of flashing</i>	<i>Pass</i>	<i>4.3.5</i>
— <i>Marking and data</i>	<i>Pass</i>	<i>4.3.6</i>
— <i>Synchronisation</i>	<i>N/A</i>	<i>4.3.7</i>
Durability, temperature resistance		
— <i>Dry heat (operational)</i>	<i>Pass</i>	<i>4.4.1.1</i>
— <i>Dry heat (endurance)</i>	<i>N/A</i>	<i>4.4.1.2</i>
— <i>Cold (operational)</i>	<i>Pass</i>	<i>4.4.1.3</i>
Durability, humidity resistance		
— <i>Damp heat, cyclic (operational)</i>	<i>Pass</i>	<i>4.4.2.1</i>
— <i>Damp heat, steady state (endurance)</i>	<i>Pass</i>	<i>4.4.2.2</i>
— <i>Damp heat, cyclic (endurance)</i>	<i>N/A</i>	<i>4.4.2.3</i>
Durability, shock and vibration resistance		
— <i>Shock (operational)</i>	<i>Pass</i>	<i>4.4.3.1</i>
— <i>Impact (operational)</i>	<i>Pass</i>	<i>4.4.3.2</i>
— <i>Vibration, sinusoidal (operational)</i>	<i>Pass</i>	<i>4.4.3.3</i>
— <i>Vibration, sinusoidal (endurance)</i>	<i>Pass</i>	<i>4.4.3.4</i>
Durability of operational reliability, corrosion resistance		
— <i>Sulphur dioxide (SO₂) corrosion (endurance)</i>	<i>Pass</i>	<i>4.4.4</i>
Durability, electrical stability		
— <i>Electromagnetic compatibility (EMC), immunity (operational)</i>	<i>Pass</i>	<i>4.4.5</i>

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, 15.02.2023

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 long horizontal stroke.