1922-CPR-1496

DECLARATION OF PERFORMANCE

In accordance with 305/2011/EU
Ref: BİLGİ-CPR-202309-14

Product Code: teknim TFS-1182R
teknim TFS-1182W

Product Name: Intelligent Addressable Sounder and Flasher with Built-in Isolator (Red)
Intelligent Addressable Sounder and Flasher with Built-in Isolator (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 54-17:2005, EN 54-17:2005/AC:2007;
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*
— *Synchronisation*	*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 (S02) corrosion (endurance)*	*Pass*	*5.11*
— *Durability of operorionzz/ 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*

Essential Characteristics	*Performance*	*EN 54-23:2010*
Operational reliability		
— *Duration of operation*	*Pass*	*4.2.1*
— *Provision for external conductors*	*Pass*	*4.2.2*
— *Flammability of materials*	*Pass*	*4.2.3*
— *Enclosure protection*	*Pass*	*4.2.4*
— *Access*	*Pass*	*4.2.5*
— *Manufacturer's adjustments*	*Pass*	*4.2.6*
— *On-site adjustment of behavior*	*N/A*	*4.2.7*
— *Requirements for software controlled devices*	*Pass*	*4.2.8*
Performance parameters under fire conditions		
— *Coverage volume*	*Pass*	*4.3.1*
— *Variation of light output*	*Pass*	*4.3.2*
— *Minimum and maximum light intensity*	*Pass*	*4.3.3*
— *Light colour*	*Pass*	*4.3.4*
— *Light pattern and frequency of flashing*	*Pass*	*4.3.5*
— *Marking and data*	*Pass*	*4.3.6*
— *Synchronisation*	*N/A*	*4.3.7*
Durability, temperature resistance		
— *Dry heat (operational)*	*Pass*	*4.4.1.1*
— *Dry heat (endurance)*	*N/A*	*4.4.1.2*
— *Cold (operational)*	*Pass*	*4.4.1.3*
Durability, humidity resistance		
— *Damp heat, cyclic (operational)*	*Pass*	*4.4.2.1*
— *Damp heat, steady state (endurance)*	*Pass*	*4.4.2.2*
— *Damp heat, cyclic (endurance)*	*N/A*	*4.4.2.3*
Durability, shock and vibration resistance		
— *Shock (operational)*	*Pass*	*4.4.3.1*
— *Impact (operational)*	*Pass*	*4.4.3.2*
— *Vibration, sinusoidal (operational)*	*Pass*	*4.4.3.3*
— *Vibration, sinusoidal (endurance)*	*Pass*	*4.4.3.4*
Durability of operational reliability, corrosion resistance		
— *Sulphur dioxide (S02) corrosion (endurance)*	*Pass*	*4.4.4*
Durability, electrical stability		
— *Electromagnetic compatibility (EMC), immunity (operational)*	*Pass*	*4.4.5*

Essential Characteristics	*Performance*	*EN 54-17:2005+AC:2007*
Performance under fire conditions		
— *Peproducibility*	*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 (SO2) 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*

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.

İstanbul, 15.02.2023

Signed for and on behalf of the manufacturer by:

Saruhan Acar
Vice General Manager