

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 0898

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. Manual call points and Short-circuit isolators. tekrim TFB-1166 Analogue Addressable Manual Call Point, Resettable with Short-circuit Isolator**

(For list of controlled characteristics, see Annex I and Annex II to 1922 - CPR - 0898 that is an inseparable part of this certificate)

placed on the market under the name or trade mark of

**Bilgi Elektronik San. ve Tic. A.Ş.**

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

and produced in the manufacturing plant

**Bilgi Elektronik San. ve Tic. A.Ş.**

**Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi No:1, Kat:2 No.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 standard

**EN 54-11:2001/A1:2005 and 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 07.09.2017 and will remain valid until 07.09.2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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](http://www.dedal-bg.net).



Issued:  
Burgas, 07 September 2017

Embossed stamp of "Dedal - A&C" Ltd.

Manager:

  
**Dedal**  
Attestation &  
Certification

arch. Galina Vasileva



## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

1922-CPR-0898/ 07.09.2017

Performance list, acc. to EN 54-11:2001/A1:2005

Essential characteristic	Performance	Clause
<i>Nominal activation conditions / Sensitivity and Performance under fire conditions</i>		
- Alarm condition	pass	4.3.2
- Indicators for alarm condition	pass	4.4
- Safety aspects	pass	4.7.1
- Protection against accidental operation	pass	4.7.4
- Operational performance test	pass	5.2
- Function test	pass	5.3
<i>Operational reliability</i>		
- Marking and data	pass	4.2
- Normal condition	pass	4.3.1
- Reset facility	pass	4.5
- Test facility	pass	4.6
- Shape, dimensions and colours	pass	4.7.2
- Symbols and lettering	pass	4.7.3
- Environment category	pass	4.7.5
- Additional requirements for software controlled manual call points	pass	4.8
- Test facility test (operational)	pass	5.4
- Reliability test (endurance)	pass	5.5
<i>Durability of operational reliability, temperature resistance</i>		
- Dry heat (operational)	pass	5.7
- Dry heat (endurance)	N/A	5.8
- Cold (operational)	pass	5.9
<i>Durability of operational reliability, vibration resistance</i>		
- Shock (operational)	pass	5.14
- Impact (operational)	pass	5.15
- Vibration, sinusoidal (operational)	pass	5.16
- Vibration, sinusoidal (endurance)	pass	5.17
<i>Durability of operational reliability, humidity resistance</i>		
- Damp heat, cyclic (operational)	pass	5.10
- Damp heat, cyclic (endurance)	N/A	5.11
- Damp heat, steady state (endurance)	pass	5.12
- Enclosure protection	N/A	5.19
<i>Durability of operational reliability, corrosion resistance</i>		
- Damp heat, cyclic (endurance)	N/A	5.11
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	pass	5.13
<i>Durability of operational reliability, electrical stability</i>		
- Variation of supply parameters	pass	5.6
- Electromagnetic compatibility (EMC), immunity (operational)	pass	5.18



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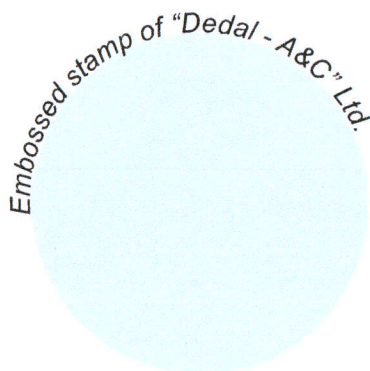
**ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE**  
**1922-CPR-0898/ 07.09.2017**

Performance list, acc. to EN 54-17:2005;EN 54-17:2005/AC:2007

Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity /response delay (response time) and performance under fire conditions		
Performance under fire conditions <ul style="list-style-type: none"><li>- Reproducibility</li></ul>	pass	5.2
Operational reliability <ul style="list-style-type: none"><li>- Requirements</li></ul>	pass	4
Durability of operational reliability, temperature resistance <ul style="list-style-type: none"><li>- Dry heat (operational)</li></ul>	pass	5.4
<ul style="list-style-type: none"><li>- Cold (operational)</li></ul>	pass	5.5
Durability of operational reliability, vibration resistance		
<ul style="list-style-type: none"><li>- Shock (operational)</li></ul>	pass	5.9
<ul style="list-style-type: none"><li>- Impact (operational)</li></ul>	pass	5.10
<ul style="list-style-type: none"><li>- Vibration, sinusoidal (operational)</li></ul>	pass	5.11
<ul style="list-style-type: none"><li>- Vibration, sinusoidal (endurance)</li></ul>	pass	5.12
Durability of operational reliability, humidity resistance		
<ul style="list-style-type: none"><li>- Damp heat, cyclic (operational)</li></ul>	pass	5.6
<ul style="list-style-type: none"><li>- Damp heat, steady state (endurance)</li></ul>	pass	5.7
Durability of operational reliability, corrosion resistance <ul style="list-style-type: none"><li>- Sulphur dioxide (SO2) corrosion (endurance)</li></ul>	pass	5.8
Durability of operational reliability, electrical stability <ul style="list-style-type: none"><li>- Variation in supply parameters</li></ul>	pass	5.3
<ul style="list-style-type: none"><li>- Electromagnetic compatibility (EMC), immunity tests (operational)</li></ul>	pass	5.13



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