

CERTIFICATE

of constancy of performance

1922 - CPR - 0876

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. Control and indicating equipment.
Power supply equipment.**

- tekrim TFP-1211 Analogue Addressable Fire Alarm Control Panel, 1 loop,
Networkable

- tekrim TFP-1212 Analogue Addressable Fire Alarm Control Panel, 2 loop,
Networkable

(with the performance listed, see Annex I and II to 1922-CPR-0876 that are 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
D.32 Ümraniye, İstanbul, Turkey**

and produced in the manufacturing plant of

Bilgi Elektronik San. ve Tic. 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 54-2:1997, EN 54-2:1997/A1:2006, EN 54-2:1997/AC:1999 and EN 54-4:1997,
EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006**

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 07.08.2017 and will remain valid until 07.08.2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.



Issued:
Burgas, 07 August 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 - 0876/07.08.2017 (page 1 of 2)

Performance list, acc. to EN 54-2:1997, EN 54-2:1997/A1:2006, EN 54-2:1997/AC:1999

Performance under fire conditions	Performance	Clause
- General requirements	pass	4
- General requirements for indications	pass	5
- The fire alarm condition	pass	7
Response delay (response time to fire)		
- Reception and processing of fire signals	pass	7.1
- Output of the fire alarm condition	pass	7.7
- Delay to outputs	pass	7.11
- Dependencies on more than one alarm signal	N/A	7.12
Operational reliability		
- General requirements	pass	4
- General requirements for indications	pass	5
- The quiescent condition	pass	6
- The fire alarm condition	pass	7
- Fault warning condition	pass	8
- Disabled condition	pass	9
- Test condition	pass	10
- Standardized input/output interface	N/A	11
- Design requirements	pass	12
- Additional design requirements for software controlled control and indicating equipment	pass	13
- Marking	pass	14
Durability of operational reliability, temperature resistance		
- Cold (operational)	pass	15.4
Durability of operational reliability, vibration resistance		
- Impact (operational)	pass	15.6
- Vibration, sinusoidal (operational)	pass	15.7
- Vibration, sinusoidal (endurance)	pass	15.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	pass	15.8
- Supply voltage variations	pass	15.13
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	pass	15.5
- Damp heat, steady state (endurance)	pass	15.14



Issued:
Burgas, 07 August 2017

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

Manager:



arch. Galina Vasileva

**ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922 - CPR - 0876/07.08.2017 (page 2 of 2)**

Performance list, acc. to EN 54-2:1997, EN 54-2:1997/A1:2006, EN 54-2:1997/AC:1999

<i>The fire alarm condition</i>	<i>Performance</i>	<i>Clause</i>
Output to fire alarm devices (option with requirements)	pass	7.8
Alarm Counter (Option with requirements)	pass	7.13
<i>Fault warning condition</i>		
Fault Signals From Points (Option with requirements)	pass	8.3
<i>Disabled condition</i>		
Disabling of addressable points (Option with requirements)	pass	9.5

This certificate was first issued on 07.08.2017 and will remain valid until 07.08.2018 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.



Issued:
Burgas, 07 August 2017

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

Manager:

 
Attestation &
Certification

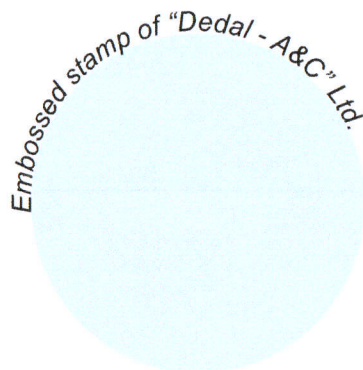
arch. Galina Vasileva

ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922 - CPR - 0876/07.08.2017 (page 1 of 1)

Performance list, acc. to EN 54-4:1997, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006

<i>Performance of power supply</i>	<i>Performance</i>	<i>Clause</i>
- General requirements	pass	4
- Functions	pass	5
- Materials, design and manufacture	pass	6
Operational reliability		
- General requirements	pass	4
- Functions	pass	5
- Materials, design and manufacture	pass	6
- Documentation	pass	7
- Marking	pass	8
Durability of operational reliability, temperature resistance		
- Cold (operational)	pass	9.5
Durability of operational reliability, vibration resistance		
- Impact (operational)	pass	9.7
- Vibration, sinusoidal (operational)	pass	9.8
- Vibration, sinusoidal (endurance)	pass	9.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	pass	9.9
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	pass	9.6
- Damp heat, steady state (endurance)	pass	9.14

This certificate was first issued on 07.08.2017 and will remain valid until 07.08.2018 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.

Issued:
Burgas, 07 August 2017**Manager:**
arch. Galina Vasileva