

CERTIFICATE

of constancy of performance

1922 - CPR - 1594

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. Components using radio links. teknim TWB-1866 Wireless Manual Call Point, Resettable

(For list of controlled characteristics, see Annex I and Annex II to 1922 - CPR - 1594 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

TEKNİM ELEKTRONİK SANAYİ VE TİCARET ANONİM ŞİRKETİ

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

and produced in the manufacturing plant of

TEKNİM ELEKTRONİK SANAYİ VE TİCARET ANONİM ŞİRKETİ

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

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-11:2001, EN 54-11:2001/A1:2005; EN 54-25:2008,

EN 54-25:2008/AC:2010, EN 54-25:2008/AC:2012;

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 14.09.2021 and will remain valid 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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. The validity of the certificate may be confirmed in the CE register at the web address www.dedal-bg.net.



Manager:

Anna Vasileva



dipl. eng. Anna Vasileva

Issued:
Burgas, 10 June 2024

Ref. No. 03-00

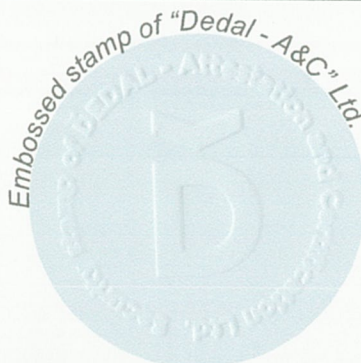
ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1594/10.06.2024

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

Essential characteristics	Performance	Clause
Nominal activation conditions / Sensitivity and Performance under fire conditions		
- 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
Operational reliability		
- 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
Durability of operational reliability, temperature resistance		
- Dry heat (operational)	Pass	5.7
- Dry heat (endurance)	N/A	5.8
- Cold (operational)	Pass	5.9
Durability of operational reliability, vibration resistance		
- Shock (operational)	Pass	5.14
- Impact (operational)	Pass	5.15
- Vibration, sinusoidal (operational)	Pass	5.16
- Vibration, sinusoidal (endurance)	Pass	5.17
Durability of operational reliability, humidity resistance		
- 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
Durability of operational reliability, corrosion resistance		
- Damp heat, cyclic (endurance)	N/A	5.11
- Sulphur dioxide (SO2) corrosion (endurance)	Pass	5.13
Durability of operational reliability, electrical stability		
- Variation of supply parameters	Pass	5.6
- Electromagnetic compatibility (EMC), (operational)	Pass	5.18



ИА "БСА"
Per. № 12 ОСП
ОРГАН ПО СЕРТИФИКАЦИЯ
НА ПРОДУКТИ
EA BAS is an EA MLA signatory



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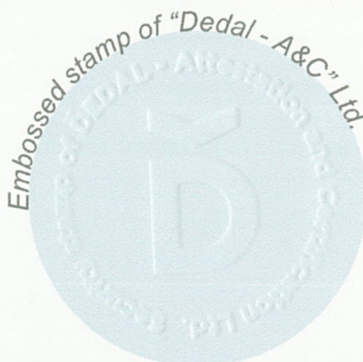
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ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1594/10.06.2024

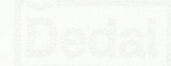
Performance list, acc. to EN 54-25:2008, EN 54-25:2008/AC:2010, EN 54-25:2008/AC:2012

Essential Characteristics	Performance	Clause
Performance under fire conditions		
- Radio frequency links	Pass	4.2
- Alarm signal integrity	Pass	4.2.2
- General	Pass	5.2
- Reproducibility test	Pass	8.3.7
Response delay (response time to fire)		
- Test for alarm signal integrity	Pass	8.2.3
- Test for mutual disturbance between systems of the same manufacturer	Pass	8.2.6
Operational reliability		
- Immunity to site attenuation	Pass	4.2.1
- Identification of the RF linked component	Pass	4.2.3
- Receiver performance	Pass	4.2.4
- Immunity to interference	Pass	4.2.5
- Loss of communication	Pass	4.2.6
- Antenna	Pass	4.2.7
- Power supply equipment	Pass	5.3
- Environmental related requirements	Pass	5.4
- Documentation	Pass	6
- Marking	Pass	7
- Test for immunity to site attenuation	Pass	8.2.2
- Test for identification of RF linked components	Pass	8.2.4
- Test for identification of RF linked components	Pass	8.2.5
- Test of compatibility with other band users	Pass	8.2.7
- Test for the detection of a loss of communication on a link	Pass	8.2.8
- Test of the antenna	Pass	8.2.9
- General	Pass	8.3.1
- Test schedule for components tests	Pass	8.3.2
- Verification of the service life of the autonomous power source(s)	Pass	8.3.3
- Test for the low power condition fault signal	Pass	8.3.4
- Test for the polarity reversal	Pass	8.3.5
- Repeatability test	Pass	8.3.6
Durability of operational reliability and response delay, temperature resistance		
- Dry heat (operational)	Pass	8.3.9
- Dry heat (endurance)	Pass	8.3.10
- Cold (operational)	Pass	8.3.11
Durability of operational reliability, vibration resistance		
- Shock (operational)	Pass	8.3.16
- Impact (operational)	Pass	8.3.17
- Vibration, sinusoidal (operational)	Pass	8.3.18
- Vibration, sinusoidal (endurance)	Pass	8.3.19
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	8.3.12
- Damp heat, steady state (operational)	Pass	8.3.13
- Damp heat, steady state (endurance)	Pass	8.3.14
Durability of operational reliability, corrosion resistance		
- SO2 corrosion (endurance)	Pass	8.3.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	8.3.20



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