

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 1223

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 and power supply equipment. Fixed firefighting systems. Components for gas extinguishing systems. Requirements and test methods for electrical automatic control and delay devices. Conventional fire extinguishing control panel FP 9000 E, class A**

(For list of controlled characteristics, see Annexes I, II and III to 1922 - CPR - 1223 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of  
**DMTech Ltd.**

**1 Ekzarh Yosif Str., 5800 Pleven, Bulgaria**

and produced in the manufacturing plant of  
**DMTech Ltd.**

**16 Nikolay Haytov Str., 5806 Pleven, Bulgaria**

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; EN 54-4:1997, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006, EN 54-4:1997/AC:1999 and EN 12094-1:2003**

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 11.07.2019 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. The certificate is supported through annual surveillance audit. The validity of this certificate can be verified in the CE register on [www.dedal-bg.net](http://www.dedal-bg.net).



Manager:

*Anna Vasileva*

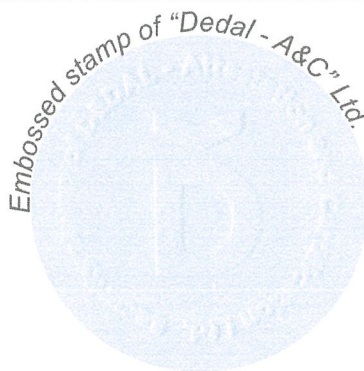
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Burgas, 09 June 2020

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**ANNEX I TO CERTIFICATE OF CONFORMITY OF CONSTANCY OF PERFORMANCE  
1922 - CPR - 1223/09.06.2020**
**EN 54-2:1997, EN 54-2:1997/A1:2006, EN 54-2:1997/AC:1999**

Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b>		
- General requirements	Pass	4
- General requirements for indications	Pass	5
- The fire alarm condition	Pass	7
<b>Response delay (response time to fire)</b>		
- 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	Pass	7.12
<b>Operational reliability</b>		
- 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	Pass	11
- Design requirements	Pass	12
- Additional design requirements for software controlled control and indicating equipment	Pass	13
- Marking	Pass	14
<b>Durability of operational reliability, temperature resistance</b>		
- Cold (operational)	Pass	15.4
<b>Durability of operational reliability, vibration resistance</b>		
- Impact (operational)	Pass	15.6
- Vibration, sinusoidal (operational)	Pass	15.7
- Vibration, sinusoidal (endurance)	Pass	15.15
<b>Durability of operational reliability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	15.8
- Supply voltage variations	Pass	15.13
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, steady state (operational)	Pass	15.5
- Damp heat, steady state (endurance)	Pass	15.14


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## ANNEX II TO CERTIFICATE OF CONFORMITY OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1223/09.06.2020

EN 54-4:1997, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006, EN 54-4:1997/AC:1999

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



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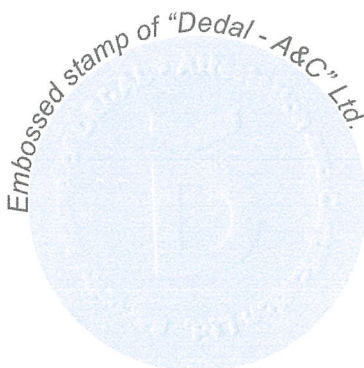
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**ANNEX III TO CERTIFICATE OF CONFORMITY OF CONSTANCY OF PERFORMANCE  
1922 - CPR - 1223/09.06.2020****EN 12094-1:2003**

Essential Characteristics	Performance	Clause
<b>Response Delay (response time)</b>	Pass	4.8
<b>Operational Reliability</b>		
- Functional requirements	Pass	4
- Design requirements	Pass	5
- Additional design requirements for software controlled e.c.d.s	Pass	6
<b>Performance Parameters Under Fire Condition</b>		
- Signal processing and indication	Pass	4.3
- Reception and processing of input triggering signals	Pass	4.4
- Transmission of extinguishing signal	Pass	4.5
- Activation of alarm devices	Pass	4.6
<b>Durability</b>	Pass	9

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