

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 2426

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. Alarm transmission and fault warning routing equipment. Components using radio links. EN54 Fire Hub Jeweller, Model: FH.54.J-000-EU**  
**Trade mark: AJAX**

(with the performance listed, see Annexes I, II, III and IV to 1922-CPR-2426 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

**LIMITED LIABILITY COMPANY «AJAX SYSTEMS MANUFACTURING»**  
**(“AS MANUFACTURING” LLC)**

**S. Sklyarenka Str., 5, Kyiv, 04073, Ukraine**

and produced in the manufacturing plant

**001**

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/AC:1999, EN 54-2:1997/A1:2006; EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006; EN 54-21:2006; EN 54-25:2008, 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 25.07.2025 and will remain valid until 15.07.2028 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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).



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Issued:  
Burgas, 19 August 2025

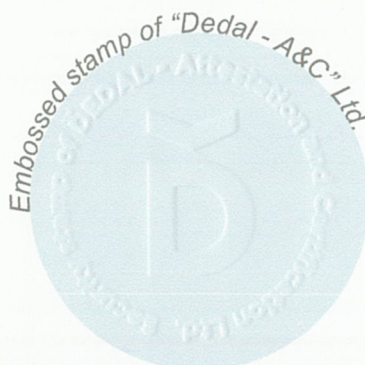
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## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-2426/ 19.08.2025

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

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	N/A	7.11
- Dependencies on more than one alarm signal	N/A	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	N/A	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
<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 CONSTANCY OF PERFORMANCE 1922-CPR-2426/ 19.08.2025

Performance list, acc. to EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006

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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**ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE**  
**1922-CPR-2426/ 19.08.2025**

Performance list, acc. to EN 54-21:2006

Essential Characteristics	Performance	Clause
<b>Performance of transmission</b>		
- General requirements	Pass	4
- Functional requirements	Pass	5
<b>Operational reliability</b>		
- General requirements	Pass	4
- Functional requirements	Pass	5
- Design requirements	Pass	7
- Marking	Pass	8
- Power supply	Pass	9
<b>Durability of operational reliability, temperature resistance</b>		
- Cold (operational)	Pass	10.4
<b>Durability of operational reliability, vibration resistance</b>		
- Impact (operational)	Pass	10.6
- Vibration, sinusoidal (operational)	Pass	10.7
- Vibration, sinusoidal (endurance)	Pass	10.11
<b>Durability of operational reliability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	10.8
- Supply voltage variations	Pass	10.9
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, steady state (operational)	Pass	10.5
- Damp heat, steady state (endurance)	Pass	10.10



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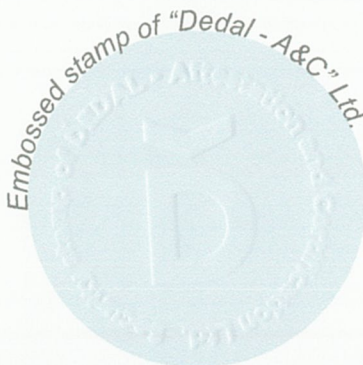
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## ANNEX IV TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-2426/ 19.08.2025

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

Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b>		
- General	Pass	4.1
- Alarm signal integrity	Pass	4.2.2
- General	Pass	5.2
- Reproducibility test	Pass	8.3.7
<b>Response delay (response time to fire)</b>		
- Test for alarm signal integrity	Pass	8.2.3
- Test for mutual disturbance between systems of the same manufacturer	Pass	8.2.6
<b>Operational reliability</b>		
- 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)	N/A	8.3.3
- Test for the low power condition fault signal	N/A	8.3.4
- Test for the polarity reversal	N/A	8.3.5
- Repeatability test	Pass	8.3.6
<b>Durability of operational reliability and response delay, temperature resistance</b>		
- Dry heat (operational)	N/A	8.3.9
- Dry heat (endurance)	N/A	8.3.10
- Cold (operational)	Pass	8.3.11
<b>Durability of operational reliability, vibration resistance</b>		
- Shock (operational)	N/A	8.3.16
- Impact (operational)	Pass	8.3.17
- Vibration, sinusoidal (operational)	Pass	8.3.18
- Vibration, sinusoidal (endurance)	Pass	8.3.19
<b>Durability of operational reliability, humidity resistance</b>		
- Damp heat, cyclic (operational)	N/A	8.3.12
- Damp heat, steady state (operational)	Pass	8.3.13
- Damp heat, steady state (endurance)	Pass	8.3.14
<b>Durability of operational reliability, corrosion resistance</b>		
- SO2 corrosion (endurance)	N/A	8.3.15
<b>Durability of operational reliability, electrical stability</b>		
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	8.3.20



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