

CERTIFICATE

of constancy of performance

1922 - CPR - 2391

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. Fire alarm devices – Sounders. Heat detectors - Point heat detectors. Components using radio links.

Heat detector and sounder EN54 FireProtect (Heat/Sounder) Jeweller, model FP.54HA.J-000-EU

Trade mark: AJAX

(with the performance listed, see Annexes I, II and III to 1922-CPR-2391 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

AJAX SYSTEMS CYPRUS HOLDINGS LTD

Ifigeneias, 17, Strovolos, 2007, Nicosia, Cyprus

and produced in the manufacturing plant

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

EN 54-3:2001; EN 54-3:2001/A1:2002; EN 54-3:2001/A2:2006;

EN 54-5:2017+A1:2018; 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 27.05.2025 and will remain valid until 05.10.2025 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.



Attestation & Certification

Manager:

Anna Vasileva

dipl. eng. Anna Vasileva

Issued:
Burgas, 25 June 2025

Ref. No. 02-00

ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-2391/ 25.06.2025

Performance list, acc. to EN 54-3:2001; EN 54-3:2001/A1:2002; EN 54-3:2001/A2:2006;

Essential Characteristics	Performance	Clause
Performance parameters under fire conditions		
- Sound level	Pass	4.2
- Frequencies and sound pattern	Pass	4.3
- Reproducibility	Pass	5.2
- Operational performance	Pass	5.3
- Attention drawing signal and message broadcast sequences	N/A	C.3.1
- Synchronisation	N/A	C.3.2
- Broadcast message performance	N/A	C.5.1
- Attention drawing signal/silence/message sequence timing	N/A	C.5.2
- Message synchronization testing	N/A	C.5.3
Operational reliability		
- Durability	Pass	4.4
- Construction	Pass	4.5
- Marking and data	Pass	4.6
- Durability	Pass	5.4
- General testing	N/A	C.4
Durability of operational reliability, temperature resistance		
- Dry heat (operational)	Pass	5.5
- Dry heat (endurance)	N/A	5.6
- Cold (operational)	Pass	5.7
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	5.8
- Damp heat, steady state (endurance)	Pass	5.9
- Damp heat, cyclic (endurance)	N/A	5.10
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.11
Durability of operational reliability, shock and vibration resistance		
- Shock (operational)	Pass	5.12
- Impact (operational)	Pass	5.13
- Vibration, sinusoidal (operational)	Pass	5.14
- Vibration, sinusoidal (endurance)	Pass	5.15
Durability, electrical stability		
- Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.16
Durability of operational reliability, resistance to ingress		
- Enclosure protection	Pass	5.17



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ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-2391/ 25.06.2025

Performance list, acc. to EN 54-5:2017+A1:2018

Essential Characteristics	Performance	Clause
Operational reliability		
- Position of heat sensitive element	Pass	4.2.1
- Individual alarm indication	Pass	4.2.2
- Connection of ancillary devices	N/A	4.2.3
- Monitoring of detachable point heat detectors	Pass	4.2.4
- Manufacturing adjustments	Pass	4.2.5
- On site adjustment of response behaviour	Pass	4.2.6
- Software controlled detectors (when provided)	Pass	4.2.7
Nominal activation conditions/ Sensitivity		
- Directional dependence	Pass	4.3.1
- Static response temperature	Pass	4.3.2
- Response times from typical application temperature	Pass	4.3.3
- Response times from 25 °C	Pass	4.3.4
- Response times from high ambient temperature	Pass	4.3.5
- Reproducibility	Pass	4.3.6
Response delay (response time)		
- Additional test for suffix S point heat detectors	Pass	4.4.1
- Additional test for suffix R point heat detectors	Pass	4.4.2
Tolerance to supply voltage		
- Variation in supply parameters	Pass	4.5
Durability of Nominal activation conditions /Sensitivity		
Temperature resistance		
- Cold (operational)	Pass	4.6.1.1
- Dry heat (endurance)	Pass	4.6.1.2
Humidity resistance		
- Damp heat, cycling (operational)	Pass	4.6.2.1
- Damp heat, steady-state (endurance)	Pass	4.6.2.2
Corrosion resistance		
- Sulphur dioxide (SO2) corrosion (endurance)	Pass	4.6.3
Vibration Resistance		
- Shock (operational)	Pass	4.6.4.1
- Impact (operational)	Pass	4.6.4.2
- Vibration, sinusoidal (operational)	Pass	4.6.4.3
- Vibration, sinusoidal (endurance)	Pass	4.6.4.4
Durability of operational reliability, electrical stability		
- (EMC), immunity (operational)	Pass	4.6.5



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ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-2391/ 25.06.2025

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

Essential Characteristics	Performance	Clause
Performance under fire conditions		
- General	Pass	4.1
- 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	N/A	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)	N/A	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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