

CERTIFICATE OF CONSTANCY OF PERFORMANCE

1134-CPR-119

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the products Construction Products Regulation or CPR), this certificate applies to the construction product

Optical smoke detector Aritech DP721T

with the variants and the performances listed in annex of this certificate and for the intended use:
Fire safety

manufactured by or for

Carrier Fire & Security BV
Kelvinstraat 7
6003 DH Weert
Nederland

and produced in the manufacturing plant

Carrier Safety System (Hebei) Co. Ltd.
N°.80 Changjiang East Road
QETDZ
066004 Qinhuangdao
Hebei
China

This certificate attests that all provisions concerning the assessment and the verification of constancy performance and the performances described in Annex ZA of the standard(s):

EN 54-7:2000/A1:2002/A2:2006

under system 1 are applied and that

the products fulfil all prescribed requirements set out above.

This certificate was first issued on 2013-11-27 and remains valid as a long time as the testing methods and/or for the control of the production in factory included in the harmonized standard, used to evaluate the performances of the declared characteristics, do not change and as neither the product, nor the manufacturing conditions in the plant or the factory production control itself are not modified significantly.

Brussels, 16 juin 2021



Marie Majerus
Certification Manager

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Annex 1 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Variants of the Aritech DP721T

Optical smoke detector
Variants: DP721RT

Base with short-circuit isolator
Aritech DB701
Variants: DB701U
DB702
DB702U

Brussels, 16 juin 2021

A handwritten signature in blue ink, appearing to read 'Marie Majerus'.

Marie Majerus
Certification Manager

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Annex 2 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Harmonised technical specification		EN 54-7:2000/A1:2002/A2:2006	
Essential Characteristics		Performance	Clause
Nominal activation conditions / Sensitivity / Response delay (response time) and Performance under fire conditions			
- Response to slowly developing fires		NA	4.8
- Repeatability		pass	5.2
- Directional dependence		pass	5.3
- Reproducibility		pass	5.4
- Air movement		pass	5.6
- Dazzling		pass	5.7
- Fire sensitivity		pass	5.18
Operational reliability			
- Individual alarm indication		pass	4.2
- Connection of ancillary devices		pass	4.3
- Monitoring of detachable detectors		pass	4.4
- Manufacturer's adjustments		pass	4.5
- On-site adjustment of response behaviour		pass	4.6
- Protection against the ingress of foreign bodies		pass	4.7
- Marking		pass	4.9
- Data		pass	4.10
- Additional requirements for software-controlled detectors		pass	4.11
Tolerance to supply voltage			
- Variation in supply voltage		pass	5.5
Durability of operational reliability and response delay, temperature resistance		pass	5.8
- Dry heat		pass	5.9
- Cold (operational)			
Durability of operational reliability, vibration resistance			
- Shock (operational)		pass	5.13
- Impact (operational)		pass	5.14
- Vibration (operational)		pass	5.15
- Vibration (endurance)		pass	5.16
Durability of operational reliability, humidity resistance			
- Damp heat, steady state (operational)		pass	5.10
- Damp heat, steady state (endurance)		pass	5.11
Durability of operational reliability, corrosion resistance			
- Sulphur dioxide (SO ₂) corrosion		pass	5.12
Durability of operational reliability, electrical stability			
- Electromagnetic compatibility (EMC), immunity (operational)		pass	5.17
Note: NPD theoretically possible; except for durability of characteristics with declared performance NA (not applicable) for components to which the requirement does not apply			

Brussels, 16 juin 2021


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