

CERTIFICATE OF CONSTANCY OF PERFORMANCE

1134-CPR-236

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

Fire detection control panel with power supply equipment Kingspan GMCK+

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

manufactured by or for

**Kingspan Light + Air Belgium NV
Anthonis De Jonghestraat 50
9100 Sint-Niklaas
Belgium**

and produced in the manufacturing plant

**Kingspan Light + Air Belgium NV
Anthonis De Jonghestraat 50
9100 Sint-Niklaas
Belgium**

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 54-2:1997/A1:2006
EN 54-4:1997/A1:2002/A2:2006**

under system 1 are applied and that

the product fulfils all prescribed requirements set out above.

This certificate was first issued on 2020-03-04 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, 4 October 2023



**Marie Majerus
Certification Manager**

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Annex 1 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Composition of the Kingspan GMCK+

Components:

GMCK+ Relaymodule 12x relay 4x guarded input (optional)
GMCK+ telefoondoormelder (optional)

Repeater

Kingspan GMCK+ Repeater Panel 230V
Variants: GMCK+ Repeater Panel 24V

Product/System component

Kingspan GMCK+ RingNet module

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Annex 2 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Certified with the following options from the EN 54-2:1997/A1:2006

7.8	Output to fire alarm devices
7.9	Control of fire alarm routing equipment
7.10	Outputs to fire protection equipment
7.11	Delays to outputs
7.13	Alarm counter
8.3	Fault signals from points
8.4	Total loss of the power supply
8.9	Output to fault warning routing equipment
9.5	Disabling of addressable points
10	Test conditions
11	Standardised input/output interface

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Annex 3 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Harmonised technical specification		EN 54-2:1997/A1:2006
Essential Characteristics	Performance	Clause
Performance under fire conditions		
- General requirements	pass	4
- General requirements for indications	pass	5
- The fire alarm condition	pass	7
Response delay (response time to fire)		
- 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
Operational reliability		
- 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 equipments	pass	13
- Marking	pass	14
Durability of operational reliability, temperature resistance		
- Cold (operational)	pass	15.4
Durability of operational reliability, vibration resistance		
- Impact (operational)	pass	15.6
- Vibration, sinusoidal (operational)	pass	15.7
- Vibration, sinusoidal (endurance)	pass	15.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	pass	15.8
- Supply voltage variations	pass	15.13
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	pass	15.5
- Damp heat, steady state (endurance)	pass	15.14
Note: NPD theoretically possible; except for durability of characteristics with declared performance NA (not applicable) for components to which the requirement does not apply The list of options with requirements is listed separately		

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Annex 4 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Harmonised technical specification		EN 54-4:1997/A1:2002/A2:2006	
Essential Characteristics	Performance	Clause	
Performance of power supply			
- General requirements	pass		4
- Functions	pass		5
- Materials, design and manufacture	pass		6
Operational reliability			
- General requirements	pass		4
- Functions	pass		5
- Materials, design and manufacture	pass		6
- Documentation	pass		7
- Marking	pass		8
Durability of operational reliability, temperature resistance			
- Cold (operational)	pass		9.5
Durability of operational reliability, vibration resistance			
- Impact (operational)	pass		9.7
- Vibration, sinusoidal (operational)	pass		9.8
- Vibration, sinusoidal (endurance)	pass		9.15
Durability of operational reliability, electrical stability			
- Electromagnetic compatibility (EMC), immunity tests (operational)	pass		9.9
Durability of operational reliability, humidity resistance			
- Damp heat, steady state (operational)	pass		9.6
- Damp heat, steady state (endurance)	pass		9.14
Note: NPD theoretically possible; except for durability of characteristics with declared performance NA (not applicable) for components to which the requirement does not apply			

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