

CERTIFICATE

of constancy of performance

1922 - CPR - 0915

In compliance with Regulation (EU) No 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 - model ALPHA 2100

Power supply equipment - model ALPHA 2100-PSE

(For list of controlled characteristics, see Annexes I and II to 1922-CPR-0915 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

QUADEL doo.

Zorana Radosavljevica Cupe 30, Nis, Serbia

and produced in the manufacturing plant of

QUADEL doo.

Zorana Radosavljevica Cupe 30, Nis, Serbia

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

EN 54-2:1997, EN 54-2:1997/AC:1999, EN 54-2:1997/A1:2006 and EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006

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 02.11.2017 and will remain valid until 02.11.2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.



Issued:
Burgas, 02 November 2018

Embossed stamp of "Dedal - A&C" Ltd.

Manager:



arch. Galina Vasileva

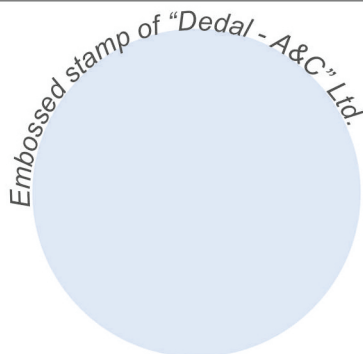
ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 0915/02.11.2018 (page 1 of 1)

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

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	N/A	11
- Design requirements	pass	12
- Additional design requirements for software controlled control and indicating equipment	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



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**ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922 - CPR - 0915/02.11.2018 (page 1 of 1)**

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

Performance of power supply	<i>Performance</i>	<i>Clause</i>
- 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

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