

CERTIFICATE OF CONSTANCY OF PERFORMANCE

1134-CPR-077

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 Limotec MD2400

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

manufactured by or for

**Limotec BV
Bosstraat 21
8570 Vichte
Belgium**

and produced in the manufacturing plant

**Limotec BV
Bosstraat 21
8570 Vichte
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 products fulfil all prescribed requirements set out above.

This certificate was first issued on 2014-01-02 and remains valid as 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, 31 October 2024



Marie Majerus
Certification Manager

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Annex 1 to the CERTIFICATE CONSTANCY OF PERFORMANCE

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Composition and variants of the Limotec MD2400

Fire detection control panel with power supply equipment

Limotec MD2400 (4, 8 or 16 loop)

Product/System component

Limotec T240080 (processor card)

Limotec T240092 (user console)

Power supply component

Limotec T095072 (supply monitor)

Meanwell RSP-320-36 (power supply)

Repeater

Limotec T240092

Fire detection control panel with power supply equipment

Limotec MD2400L (3 loop)

Product/System component

Limotec T240054 (processor card)

Limotec T240004 (user console)

Power supply component

Limotec T095060 (supply monitor)

Meanwell LPC-60-1750 (power supply)

Housing

Limotec 245040XP1

Limotec 245040XP2

Variants: 245080XP2

Limotec 245040XP2A

Variants: 245080XP2A

Limotec 245140XP4

Variants: 245160XP4

Product/System component

Limotec T240008 (loop card)

Limotec T240016 (bus card)

Limotec T240018 (relay card)

Limotec T240022 (switch)

Limotec T240052 (bus card)

Limotec T240056 (relay card)

Limotec T240062 (LCD card)

Limotec T240064 (terminal card)

Limotec T240074 (loop card high power)

Limotec T240077 (network card)

Limotec T095066 (DC/DC converter)

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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
7.11	Delays to outputs
8.3	Fault signals from points
9.5	Disablement of addressable points
10	Test conditions

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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	NA	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	NA	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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