

CERTIFICATE OF CONSTANCY OF PERFORMANCE

1134-CPR-228

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 MD2400SA

with 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 2019-11-04 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, 5 April 2023


**Marc Nijtus
Certification Manager**

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Notified body No. 1134
asbl **ANPI** vzw
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Annex 1 to the CERTIFICATE CONSTANCY OF PERFORMANCE

1134-CPR-228

Variants of the Limotec MD2400SA

Fire detection control panel with power supply equipment

Components: Repeater

TR-MD2400SA

Brussels, 5 April 2023

Mano Nijtus
Certification Manager

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Annex 2 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 | | |

Brussels, 5 April 2023


 Marc Meuris
 Certification Manager

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Annex 3 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 | | |

Brussels, 5 April 2023


 Marc Nottus
 Certification Manager

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