FIRE CERTIFICATION & INSPECTION

NOTIFIED BODY № **2918**

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

## 2918-CPR-01.026.2023

In accordance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9.03.2011 (Construction Products Regulation or CPR), this certificate applies to the construction product

**Wireless addressable fire alarm manual call point Type A Natron MCP with derivative names SensoIRIS MCP, WLFIRE MCP**

with parameters (levels and classes of indicators, identification and intended use) given in Annexes 1 and 2 to the certificate of a total of 4 pages, which are an integral part of it;

provided by the market under the name of or trademark of
Teletek Electronics JSC
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

and manufactured at a production site:
Teletek Electronics JSC
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

This certificate certifies that all provisions regarding the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-11:2001, EN 54-11:2001/A1:2005
EN 54-25:2008, EN 54-25:2008/AC:2010, EN 54-25:2008/AC:2012

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 26th June 2023 and will remain valid as long as neither the harmonized standard, the construction product, the testing methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

VALIDITY

Signature: .....

Prof. Dr. Eng. Veselin Simeonov
Director of the Assessment Department

Sofia
26.06.2023

Digital version of Certificate!

**Fire Certification and Inspection Ltd.**

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1. Technical specifications:
Natron MCP is a wireless addressable fire alarm manual call point Type A designed to work with the Natron series of wireless expander (network gateway) modules. Its communication range with an expander (network gateway) module is 1500 m.
Radio frequency - 868MHz; Communication type – two-way; Dimensions: (90 x 57 x 90) mm; Weight - 158 g.

2. Performance characteristics of the wireless addressable fire alarm manual call point Natron MCP, according to: EN 54-11:2001, EN 54-11:2001/A1:2005

| Essential characteristics | Clauses in this European standard | Performance |
|---|---|---|
| Nominal activation conditions - Sensitivity and Performance under fire conditions: | | |
| – alarm condition | 4.3.2 | PASS |
| – indicators for alarm condition | 4.4 | PASS |
| – safety aspects | 4.7.1 | PASS |
| – protection against accidental operation | 4.7.4 | NA* |
| – operational performance test | 5.2 | PASS |
| – function test | 5.3 | PASS |
| Operational reliability: | | |
| – mariking and data | 4.2 | PASS |
| – normal condition | 4.3.1 | PASS |
| – reset facility | 4.5 | PASS |
| – test facility | 4.6 | PASS |
| – shape, dimensions and colours | 4.7.2 | PASS |
| – symbols and lettering | 4.7.3 | PASS |
| – environment category | 4.7.5 | PASS |
| – additional requirements for software controlled manual call points | 4.8 | PASS |
| – test facility test (operational) | 5.4 | PASS |
| – reliability test (endurance) | 5.5 | PASS |
| Durability of operational reliability - Temperature resistance: | | |
| – dry heat (operational) | 5.7 | PASS |
| – dry heat (endurance) | 5.8 | NA* |
| – cold (operational) | 5.9 | PASS |
| Durability of operational reliability - Vibration resistance: | | |

| Essential characteristics | Clauses in this European standard | Performance |
|---|---|---|
| – shock (operational) | 5.14 | PASS |
| – impact (operational) | 5.15 | PASS |
| – vibration, sinusoidal (operational) | 5.16 | PASS |
| – vibration, sinusoidal (endurance) | 5.17 | PASS |
| Durability of operational reliability - Humidity resistance: | | |
| – damp heat, cyclic (operational) | 5.10 | PASS |
| – damp heat, cyclic (endurance) | 5.11 | NA* |
| – damp heat, steady state (endurance) | 5.12 | PASS |
| – enclosure protection | 5.19 | NA* |
| Durability of operational reliability - Corrosion resistance: | | |
| – damp heat, cyclic (endurance) | 5.11 | NA* |
| – $SO_2$-corrosion (endurance) | 5.13 | PASS |
| Durability of operational reliability - Electrical stability: | | |
| – variation of supply parameters | 5.6 | PASS |
| – durability of operational reliability, electrical stability: | 5.18 | PASS |

*NA – not applicable

3. Performance characteristics of the wireless addressable fire alarm manual call point Natron MCP, according to: EN 54-25:2008, EN 54-25:2008/AC:2010, EN 54-25:2008/AC:2012

| Essential characteristics | Clauses in this European standard | Performance |
|---|---|---|
| Performance parameters under fire conditions: | | |
| - general | 4.1 | PASS |
| - alarm signal integrity | 4.2.2 | PASS |
| - general | 5.2 | PASS |
| - reproducibility test | 8.3.7 | PASS |
| Response delay (reaction time to fire): | | |
| - test for alarm signal integrity | 8.2.3 | PASS |
| - test for mutual disturbance between systems of the same manufacturer | 8.2.6 | PASS |
| Operational reliability: | | |
| - immunity to site attenuation | 4.2.1 | PASS |
| - identification of the rf linked component | 4.2.3 | PASS |
| - receiver performance | 4.2.4 | PASS |
| - immunity to interference | 4.2.5 | PASS |
| - loss of communication | 4.2.6 | PASS |
| - antenna | 4.2.7 | PASS |
| - power supply equipment | 5.3 | PASS |
| - environmental related requirements | 5.4 | PASS |
| - documentation | 6 | PASS |
| - marking | 7 | PASS |
| - test for immunity to site attenuation | 8.2.2 | PASS |
| - test for identification of rf linked components | 8.2.4 | PASS |
| - test for the receiver performance | 8.2.5 | PASS |
| - test of compatibility with other band user | 8.2.7 | PASS |
| - test for the detection of a loss of communication on a link | 8.2.8 | PASS |
| - test of the antenna | 8.2.9 | PASS |
| - general | 8.3.1 | PASS |

| Essential characteristics | Clauses in this European standard | Performance |
|---|---|---|
| - test schedule for components tests | 8.3.2 | PASS |
| - verification of the service life of the autonomous power source(s) | 8.3.3 | PASS |
| - test for the low power condition fault signal | 8.3.4 | PASS |
| - test for the polarity reversal | 8.3.5 | PASS |
| - repeatability test | 8.3.6 | PASS |
| Durability of operational reliability - Temperature resistance: | | |
| - dry heat (operational) | 8.3.9 | PASS |
| - dry heat (endurance) | 8.3.10 | PASS |
| - cold (operational) | 8.3.11 | PASS |
| Durability of operational reliability - Vibration resistance: | | |
| - shock (operational) | 8.3.16 | PASS |
| - impact (operational) | 8.3.17 | PASS |
| - vibration, sinusoidal (operational) | 8.3.18 | PASS |
| - vibration, sinusoidal (endurance) | 8.3.19 | PASS |
| Durability of operational reliability - Humidity resistance: | | |
| - damp heat, cyclic (operational) | 8.3.12 | PASS |
| - damp heat, steady state (operational) | 8.3.13 | PASS |
| - damp heat, steady state (endurance) | 8.3.14 | PASS |
| Durability of operational reliability - Corrosion resistance: | | |
| - $SO_2$-corrosion (endurance) | 8.3.15 | PASS |
| Durability of operational reliability - Electrical stability: | | |
| - electromagnetic Compatibility (EMS), Immunity tests (operational) | 8.3.20 | PASS |

*NA- not applicable
The validity of this certificate can be checked on our website: https://firecert.eu/bg/c/register

Signature: .....

Prof. Dr. Eng. Veselin Simeonov
Director of the Assessment Department

Sofia
26.06.2023