FIRE CERTIFICATION & INSPECTION

NOTIFIED BODY № 2918

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2918-CPR-01.031.2023

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 heat detector Natron TD with derivative names SensoIRIS TD, WL FIRE TD

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 54-5:2017+A1:2018
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the testing methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 the Certificate!

Fire Certification and Inspection Ltd.

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205 Al. Stamboliyski, bul.,
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UIC 206130981

1. Technical specifications:

Natron TD is a wireless addressable fire alarm heat detector designed to work with the Natron series of wireless expander (network gateway) modules. The detector is equipped with a 360o visible LED indication and a built-in buzzer for additional sound signaling when announcing events - fire alarm and finding the installation site. Natron TD is intended for indoor installation. Communication range with expander (network gateway) module – 1500m. Radio frequency - 868 MHz.
Type of communication - two-way.
Dimensions (with the base) - Ø 106x76 mm.
Weight (with base and batteries) - 210 g.

2. Performance characteristics of the wireless addressable fire alarm heat detector Natron TD, according to: EN 54-5:2017+A1:2018

Essential Characteristics	**Clauses in this European standard**	**Performance**
Operational reliability:		
- position of heat sensitive element	4.2.1	PASS
- individual alarm indication	4.2.2	PASS
- connection of ancillary devices	4.2.3	NA*
- monitoring of detachable point heat detectors	4.2.4	PASS
- manufacturing adjustments	4.2.5	PASS
- on site adjustment of response behaviour	4.2.6	PASS
- software controlled detector (when provided)	4.2.7	PASS
Nominal activation conditions/Sensitivity:		
- directional dependence	4.3.1	PASS
- static response temperature	4.3.2	PASS
- response times from typical application temperature	4.3.3	PASS
- response times from 25°c	4.3.4	NA*
- response times from high ambient temperature	4.3.5	PASS
- reproducibility	4.3.6	PASS
Response delay (response time):		
- additional test for suffix S point heat detectors	4.4.1	PASS
- additional test for suffix R point heat detectors	4.4.2	PASS
Tolerance to supply voltage:		

Essential Characteristics	**Clauses in this European standard**	**Performance**
- variation in supply parameters	4.5.1	PASS
Durability of Nominal activation conditions/Sensitivity - Temperature resistance:		
- cold (operational)	4.6.1.1	PASS
- dry heat (endurance)	4.6.1.2	NA*
Durability of Nominal activation conditions/Sensitivity - Humidity resistance:		
- damp heat, cyclic (operational)	4.6.2.1	PASS
- damp heat, steady-state (endurance)	4.6.2.2	PASS
Durability of Nominal activation conditions/Sensitivity - Corrosion resistance:		
- sulphur dioxide (SO_2) corrosion (endurance)	4.6.3	PASS
Durability of Nominal activation conditions/Sensitivity - Vibration Resistance:		
- shock (operational)	4.6.4.1	PASS
- impact (operational)	4.6.4.2	PASS
- vibration, sinusoidal (operational)	4.6.4.3	PASS
- vibration, sinusoidal (endurance)	4.6.4.4	PASS
Durability of Nominal activation conditions/Sensitivity - Electrical stability:		
- EMC, immunity (operational)	4.6.5	PASS

*NA – not applicable

3. Performance characteristics of the wireless addressable fire alarm heat detector Natron TD, according to: EN 54-25:2008, EN 54-25:2008/AC:2010 and 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

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26.06.2023