FIRE CERTIFICATION & INSPECTION

NOTIFIED BODY № 2918

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2918-CPR-01.033.2023

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

Addressable fire alarm wireless expander module Natron WE-A with derivative names SensoIRIS WE-A, WL FIRE WE-A

with parameters (levels and classes of indicators, identification and intended use) given in Annexes 1, 2 and 3 to the certificate of a total of 5 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 54-17:2005, EN 54-17:2005/AC:2007
EN 54-18:2005, EN 54-18:2005/AC:2007
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the testing methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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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UIC 206130981

1. Technical specifications:

Natron WE-A is addressable wireless expander (network gateway) module designed to work with addressable fire alarm panel iRIS8. The Natron WE-A is powered directly from the loop line and can be controlled via the communication protocol. Natron WE-A has a built-in isolator module. The Natron WE-A communicates with Natron series wireless devices included in its configuration. Wireless devices are automatically recognized by the fire control panel and assigned at sequential addresses after the expander (network gateway) module's assigned address. Up to 32 wireless devices can be registered to a particular extender, forming a linear network. Up to 5 Natron WE-A wireless expander (network gateway) modules can be connected to one iRIS8/iRIS4 fire alarm control panel. The Natron WE-A is mounted in a compact plastic box suitable for wall mounting. Information about the status of registered wireless devices is presented on an LCD text display (matrix 16x2). A dipole SMA type antenna is supplied with the expander (network gateway) module to ensure a wide coverage and stable communication with registered wireless devices.

2. Performance characteristics of the addressable wireless expandable module with built-in isolator Natron WE-A, according to: EN 54-17:2005 and EN 54-17:2005/AC:2007

Essential characteristics	Clauses in this European standard	Performance
Performance under fire conditions:		
- reproducibility	5.2	PASS
Operational reliability:		
- requirements	4	PASS
Durability of operational reliability – Temperature resistance:		
- dry heat (operational)	5.4	PASS
- cold (operational)	5.5	PASS
Durability of operational reliability – Vibration resistance:		
- shock (operational)	5.9	PASS
- impact (operational)	5.10	PASS
- vibration, sinusoidal (operational)	5.11	PASS
- vibration, sinusoidal (endurance)	5.12	PASS
Durability of operational reliability – Humidity resistance:		
- damp heat, cyclic (operational)	5.6	PASS

Essential characteristics	Clauses in this European standard	Performance
- damp heat, steady state (endurance)	5.7	PASS
Durability of operational reliability – Corrosion resistance:		
- sulphur dioxide (SO_2) corrosion. (endurance)	5.8	PASS
Durability of operational reliability – Electrical resistance:		
- variation in supply voltage	5.3	PASS
- electromagnetic compatibility (EMC) immunity tests (operational)	5.13	PASS

3. Performance characteristics of the addressable wireless expandable module with built-in isolator Natron WE-A, according to: EN 54-18:2005 and EN 54-18:2005/AC:2007

Essential characteristics	Clauses in this European standard	Performance
Response delay (response time):		
- performance and variation in supply parameters	5.2	PASS
Performance under fire condition:		
- functional test	5.1.4	PASS
Operational reliability:		
- functional test	5.1.4	PASS
Durability of operational reliability – Temperature resistance:		
- dry heat (operational)	5.3	PASS
- cold (operational)	5.4	PASS
Durability of operational reliability – Vibration resistance:		
- shock (operational)	5.8	PASS
- impact (operational)	5.9	PASS
- vibration, sinusoidal (operational)	5.10	PASS
- vibration, sinusoidal (endurance)	5.11	PASS
Durability of operational reliability – Humidity resistance:		
- damp heat, cyclic (operational)	5.5	PASS
- damp heat, steady state (endurance)	5.6	PASS
Durability of operational reliability – Corrosion resistance:		
- sulphur dioxide (SO_2) corrosion. (endurance)	5.7	PASS
Durability of operational reliability – Electrical resistance:		
- performance and variation in supply parameters	5.2	PASS
- electromagnetic compatibility (EMC) immunity tests	5.12	PASS

4. Performance characteristics of the addressable wireless expandable module with built-in isolator Natron WE-A, 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	NA*
- 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

Essential characteristics	Clauses in this European standard	Performance
- general	8.3.1	PASS
- test schedule for components tests	8.3.2	PASS
- verification of the service life of the autonomous power source(s)	8.3.3	NA
- test for the low power condition fault signal	8.3.4	NA
- test for the polarity reversal	8.3.5	NA
- repeatability test	8.3.6	PASS
Durability of operational reliability - Temperature resistance:		
- dry heat (operational)	8.3.9	NA
- dry heat (endurance)	8.3.10	NA
- cold (operational)	8.3.11	PASS
Durability of operational reliability - Vibration resistance:		
- shock (operational)	8.3.16	NA
- 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	NA
- 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	NA
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