FIRE CERTIFICATION & INSPECTION

NOTIFIED BODY № **2918**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2918-CPR-01.028.2023

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 sounder and strobe Natron WSS with derivative names SensoIRIS WSS, WL FIRE WSS

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 6 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 54-3:2001/A1:2002, EN 54-3:2001/A2:2006
EN 54-23:2010
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the testing methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.

office Б306,
205 Al. Stamboliyski, bul.,
Sofia, Bulgaria.
office@firecert.eu, +359 876 84 99 22, firecert.eu,
UIC 206130981

1. Technical specifications:

Natron WSS is a wireless addressable fire alarm sounder with flash designed to work with the Natron series of wireless expander (network gateway) modules. The sounder is equipped with a 360o visible LED flash light indication and a built-in sounder for announcing events - fire alarm and finding the installation site.
Flash and sounder operation is programmed from the sounder's menus - addressable panel or expander (network gateway) module. Natron WSS is compatible with a deep wireless fire base for ceiling mounting. To prevent unauthorized disassembly or removal, the siren can be locked to the fire base. The siren is also equipped with a tamper switch for self-protection of the box.
Communication range with expander (network gateway) module – 1500 m.
Natron WSS is designed for indoor installation.
Radio frequency - 868 MHz.
Type of communication - two-way.
Dimensions - Ø 116 x 90mm.
Weight (with base and batteries) - 372 g.

2. Performance characteristics of the wireless addressable fire alarm sounder with flash Natron WSS, according to: EN 54-3:2001/A1:2002 and EN 54-3:2001/A2:2006

Essential characteristics	Clauses in this European standard	Performance
Performance under fire condition:		
- sound level	4.2	PASS
- frequency and sound pattern	4.3	PASS
- reproducibility	5.2	PASS
- operational performance	5.3	PASS
- attention drawing signal and message broadcast sequences	C.3.1	NA*
- synchronization (option with requirements)	C.3.2	NA*
- broadcast message performance	C.5.1	NA*
- attention drawing signal/silence/message sequence timing	C.5.2	NA*
- message synchronization testing (option with requirements)	C.5.3	NA*
Operational reliability:		
- durability	4.4	PASS

Essential characteristics	Clauses in this European standard	Performance
- construction	4.5	PASS
- marking and data	4.6	PASS
- durability	5.4	PASS
- general testing	C.4	NA*
Durability of operational reliability - Temperature resistance:		
- dry heat (operational)	5.5	PASS
- dry heat (endurance)	5.6	NA*
- cold (operational)	5.7	PASS
- damp heat, cyclic (operational)	5.8	PASS
- damp heat, cyclic (endurance)	5.9	PASS
Durability of operational reliability - Humidity resistance:		
- damp heat, cyclic (operational)	5.8	PASS
- damp heat, steady state (endurance)	5.9	PASS
- damp heat, cyclic (endurance)	5.10	NA*
Durability of operational reliability - Corrosion resistance:		
- SO2-corrosion (endurance)	5.11	PASS
Durability of operational reliability - Vibration resistance:		
- shock (operational)	5.12	PASS
- impact (operational)	5.13	PASS
- vibration, sinusoidal (operational)	5.14	PASS
- vibration, sinusoidal (endurance)	5.15	PASS
Durability of operational reliability - Electrical stability:		
- electromagnetic Compatibility (EMS), Immunity tests (operational)	5.16	PASS
Durability of operational reliability - Resistance to the ingress of foreign objects	5.17	PASS

NA*- not applicable

3. Performance characteristics of the wireless addressable fire alarm sounder with flash Natron WSS, according to: EN 54-23:2010

Essential characteristics	Clauses in this European standard	Performance
Operational reliability:		
- duration of operation	4.2.1	PASS
- provision for external conductors	4.2.2	PASS
- flammability of materials	4.2.3	PASS
- enclosure protection	4.2.4	PASS
- access	4.2.5	PASS
- manufacturer's adjustments	4.2.6	PASS
- on-site adjustment of behavior	4.2.7	PASS
- requirements for software controlled devices	4.2.8	PASS
Performance parameters under fire condition:		
- coverage volume	4.3.1	PASS
- variation of light output	4.3.2	PASS
- minimum and maximum light intensity	4.3.3	PASS
- light color	4.3.4	PASS
- light temporal pattern and frequency of flashing	4.3.5	PASS
- marking and data	4.3.6	PASS
- synchronization (option with requirements)	4.3.7	NA*
Durability of operational reliability - Temperature resistance:		
- dry heat (operational)	4.4.1.1	PASS
- dry heat (endurance)	4.4.1.2	NA
- cold (operational)	4.4.1.3	PASS
Durability of operational reliability - Humidity resistance:		
- damp heat, cyclic (operational)	4.4.2.1	PASS
- damp heat, steady state (endurance)	4.4.2.2	PASS
- damp heat, cyclic (endurance)	4.4.2.3	NA
Durability of operational reliability - Corrosion resistance:		

Essential characteristics	Clauses in this European standard	Performance
- SO_2 corrosion (endurance)	4.4.4	PASS
Durability of operational reliability - Vibration resistance:		
- shock (operational)	4.4.3.1	PASS
- impact (operational)	4.4.3.2	PASS
- vibration (operational)	4.4.3.3	PASS
- vibration (endurance)	4.4.3.4	PASS
Durability of operational reliability - Electrical stability:		
- EMC, immunity (operational)	4.4.5	PASS

NA*- not applicable

4. Performance characteristics of the wireless addressable fire alarm sounder with flash Natron WSS, 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

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	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