LGAI Technological Center, S.A. (APPLUS)
Campus UAB - Ronda de la Font del Carme s/n
08193 Bellaterra (Barcelona)
T +34 93 567 20 00
www.appluslaboratories.com

CERTIFICATE

Notified Body No. 0370

No. 0370-CPR-3818

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation *305/2011/EU* of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

FIRE DETECTION AND FIRE ALARM SYSTEMS:

- FIRE ALARMS DEVICES. SOUNDERS
- FIRE ALARM DEVICES. VISUAL ALARM

MODEL: **SBN99**

Place on the market under the name of:

Synaps Technology S.r.l.

VIA PIETRAFERRATA, 9/1
34147 TRIESTE (ITALY)

And produced in the manufacturing plant:

VIA PIETRAFERRATA, 9/1
34147 TRIESTE (ITALY)

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

EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006; EN 54-23:2010

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 5th December 2019 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed on 29th October 2021.

The monitoring assessment will be done before 30th September 2022

Bellaterra, 29th October 2021

Applus
LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.

ENAC CERTIFICACIÓN Nº 12/C-PR054

This document is not valid without its technical annex; whose number coincides with that of the certificate.

You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products

LGAI Technological Center, S.A. (APPLUS)
Campus UAB - Ronda de la Font del Carme s/n
08193 Bellaterra (Barcelona)
T +34 93 567 20 00
www.appluslaboratories.com

Technical Annex Ed. 1
05/12/2019

0370-CPR-3818

Annexes according to **EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 3: FIRE ALARMS DEVICES. SOUNDERS.

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Sound level	4.2.	PASS
Frequency and sound pattern	4.3.	PASS
Durability	4.4.	PASS
Construction	4.5.	PASS TYPE A
Marking and data	4.6.	PASS
Reproducibility	5.2.	PASS
Operational performance	5.3.	PASS
Durability	5.4.	PASS
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, steady state (endurance)	5.9.	PASS
Damp heat, cyclic (endurance)	5.10.	NA
Sulfur dioxide (SO2) corrosion (endurance)	5.11.	PASS
Shock (operational)	5.12.	PASS
Impact (operational)	5.13.	PASS
Vibration, sinusoidal (operational)	5.14.	PASS
Vibration, sinusoidal (endurance)	5.15.	PASS
Electromagnetic compatibility (EMC), immunity (operational)	5.16.	PASS
Enclosure protection	5.17.	PASS TYPE A
Attention drawing signal and message broadcast sequences	C.3.1.	NA
Synchronisation (option with requirements)	C.3.2.	NA
General testing	C.4.	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

PASS; NPD = No Performance Determined, NA = Not Apply

LGAI Technological Center, S.A. (APPLUS)
Campus UAB - Ronda de la Font del Carme s/n
08193 Bellaterra (Barcelona)
T +34 93 567 20 00
www.appluslaboratories.com

Technical Annex Ed. 1
05/12/2019

0370-CPR-3818

Annexes according to **EN 54-23:2010**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 23: FIRE ALARM DEVICES. VISUAL ALARM

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Duration of operation	4.2.1	PASS
Provision for external conductors	4.2.2	NA
Flammability of materials	4.2.3	NPD
Enclosure protection	4.2.4	PASS
Access	4.2.5	PASS
Manufacturer's adjustments	4.2.6	PASS
On-site adjustment of behaviour	4.2.7	NA
Requirements for software controlled devices	4.2.8	NA
Coverage volume	4.3.1	PASS
Variation of light output	4.3.2	PASS
Minimum and maximum light intensity	4.3.3	PASS
Light colour	4.3.4	PASS White
Light pattern and frequency of flashing	4.3.5	PASS
Marking and data	4.3.6	PASS
Synchronization (option with requirements)	4.3.7	PASS
Dry heat (operational)	4.4.1.1	PASS
Dry heat (endurance)	4.4.1.2	NA
Cold (operational)	4.4.1.3	PASS
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
Shock (operational)	4.4.3.1	PASS
Impact (operational)	4.4.3.2	PASS
Vibration, sinusoidal (operational)	4.4.3.3	NA
Vibration, sinusoidal (endurance)	4.4.3.4	PASS
Corrosion resistance – Sulphur dioxide (SO_2) (endurance)	4.4.4	PASS
Electrical stability – EMC, immunity (operational)	4.4.5	PASS

PASS; NPD = No Performance Determined, NA = Not Apply

Warble tone: 800-1000 Hz, 1 Hz; Continuous tone: 970 Hz
Slow whoop (NL): 500-1200 Hz for 3,5s ON 0,5s OFF; German DIN tone: 1200- 500 Hz, 1 Hz

High-level configuration: C-3-15,2, O-4,5-15,2; Low-level configuration: C-3-9,2