

CE CERTIFICATE

Notified Body No. 0370

No. **0370-CPR-6119**

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: **LF24W**

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 November 2021 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.

The monitoring assessment will be done before 30th September 2022

Bellaterra, 5th November 2021


LGAI Technological Center, S.A.

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



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

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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 (SO ₂) 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

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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 | 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 behaviour | 4.2.7 | NA |
| Requirements for software controlled devices | 4.2.8 | PASS |
| 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 | PASS |
| 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