

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)
Notified Body Nr. 0370

No.

0370-CPR-6930

In compliance with Regulation (EU) Nr. 305/2011 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 DEVICES

MODEL: **WCW98 WCW68** TRADEMARK: **SYNAPS TECHNOLOGY S.R.L.**

Placed 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 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 22nd December 2023 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The monitoring assessment will be done before 30th September 2024

Bellaterra, 22nd December 2023




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

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

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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 B
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.	PASS
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.	PASS
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 B
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	PASS
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 / 0,5 Hz PASS / 1 Hz
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	PASS
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	NA
Damp heat, cyclic (endurance)	4.4.2.3	PASS
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

Warble tone: 800 Hz for 500ms, then 1000 Hz for 500 ms
Continuous tone 970 Hz
800-970 Hz for 1 s
German DIN tone 1200 Hz – 500 Hz swept every 1000 ms (1 Hz)

High-level configuration: W 4-9; Low-level configuration: W 3-7