

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. **0370-CPR-2965**

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 ALARM DEVICES. SOUNDERS**  
MODELS: **VTB-32E / SFD-2X0** RANGE (SEE ANNEX)

Placed on the market under the name of:

## **DETNOV SECURITY, S.L.**

C/ DE LA CIÈNCIA, 30  
08840 VILADECANS (BARCELONA) SPAIN

And produced in the manufacturing plant:

**24/32303586**

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

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

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 27<sup>th</sup> April 2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed on 17<sup>th</sup> May 2024.

**The monitoring assessment will be done before 31<sup>st</sup> March 2025**

Bellaterra, 17<sup>th</sup> May 2024

  
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](http://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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Annex 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 ALARM 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 (SB)<br>PASS - TYPE B (DB) |
| 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 - TYPE A (SB)<br>PASS - TYPE B (DB)   |
| 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 - TYPE A (SB)<br>PASS - TYPE B (DB)   |
| Sulfur dioxide (SO <sub>2</sub> ) 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 (SB)<br>PASS - TYPE B (DB) |
| 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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| SOUNDER TONES | TYPE                      | FEATURES                           |
|---------------|---------------------------|------------------------------------|
| 1             | LF SWEEP (CRANFORD SWEEP) | 800 – 1000 Hz<br>500 (ms)          |
| 8             | LF CONTINUOUS TONE BS5839 | 800 Hz                             |
| 11            | DUTCH TONE                | 970 Hz CONTINUOUS                  |
| 25            | GERMAN DIN TONE           | 1200-500 Hz<br>1000 ms (@1Hz)      |
| 27            | FRENCH TONE AFNOR         | 554 Hz (100 ms)<br>440 Hz (400 ms) |

| MODEL                        | DESCRIPTION  |
|------------------------------|--|
| VTB-32E-SB-RB/RL / SFD-220   | 24 V 32 TONE SOUNDER BEACON SHALLOW BASE (SB)<br>RED BODY RED LENS<br>TYPE A |
| VTB-32E-DB-RB/RL / SFD-230   | 24 V 32 TONE SOUNDER BEACON DEEP BASE (DB)<br>RED BODY RED LENS<br>TYPE B    |
| VTB-32E-SB-WB/RL / SFD-220-W | 24 V 32 TONE SOUNDER BEACON SHALLOW BASE (SB)<br>WHITE BODY RED LENS TYPE A  |
| VTB-32E-DB-WB/RL / SFD-230-W | 24 V 32 TONE SOUNDER BEACON DEEP BASE (DB)<br>WHITE BODY RED LENS<br>TYPE B  |

| BASES                             |
|-----------------------------------|
| 116-085 SHALLOW BASE – RED (SB)   |
| 116-086 SHALLOW BASE – WHITE (SB) |
| 126-021 DEEP BASE – RED (DB)      |
| 126-022 DEEP BASE – WHITE (DB)    |