

CE CERTIFICATE

Notified Body No. 0370

No. **0370-CPR-2966**

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

MODEL: **VTB-32EVAD/VXB-1EVAD/SFD-2X1X/ PED-2x1x** RANGE (SEE ANNEX)

Place 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:

21/32302275

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 27th April 2018 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 19th May 2021.

The monitoring assessment will be done before 31st March 2022

Bellaterra, 19th May 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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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 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.	NA – TYPE A PASS – TYPE B
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 PASS – TYPE B
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 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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Annex according to **EN 54-23:2010**

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

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 – TYPE A PASS – TYPE B
Access	4.2.5	PASS
Manufacturer's adjustments	4.2.6	PASS
On site adjustments of behaviour	4.2.7	PASS
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 effective luminous intensity	4.3.3	PASS
Light colour	4.3.4	PASS White
Light temporal pattern and frequency of lashing	4.3.5	PASS 1 Hz
Marking & 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	PASS
Damp heat, cyclic (endurance)	4.4.2.3	PASS
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
SO2 corrosion (endurance)	4.4.4.	PASS
Electromagnetic compatibility (EMC)	4.4.5	PASS

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

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SOUNDER TONES	TYPE	FEATURES
1	LF SWEEP (CRANFORD SWEEP)	800 – 1000 Hz 500 (ms)
8	LF CONTINUOUS TONE BS5839	800 Hz
11	DUTCH TONE	970 Hz CONTINUOUS
25	GERMAN DIN TONE	1200-500 Hz 1000 ms (@1Hz)
27	FRENCH TONE AFNOR	554 Hz (100 ms) 440 Hz (400 ms)

MODEL	VOLUME	FLASH RATE	APPLICABILITY STANDARD
VTB-32EVAD C SB RB WF / SFD-221C	C-3-8	1 Hz	54-3 54-23
VTB-32EVAD C DB RB WF / SFD-231C	C-3-8	1 Hz	54-3 54-23
VTB-32EVAD W SB RB WF / SFD-221W	W-2.4-8	1 Hz	54-3 54-23
VTB-32EVAD W DB RB WF / SFD-231W	W-2.4-8	1 Hz	54-3 54-23
VXB-1EVAD C SB RB WF / PED-221C	C-3-8	1 Hz	54-23
VXB-1EVAD C DB RB WF / PED-231C	C-3-8	1 Hz	54-23
VXB-1EVAD W SB RB WF / PED-221W	W-2.4-8	1 Hz	54-23
VXB-1EVAD W DB RB WF / PED-231W	W-2.4-8	1 Hz	54-23

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MODEL	DESCRIPTION
VTB-32EVAD C SB RB WF / SFD-221C	24 V 32 TONE SOUNDER VAD CEILING MOUNTED SHALLOW BASE RED BODY WHITE FLASH TYPE A
VTB-32EVAD C DB RB WF / SFD-231C	24 V 32 TONE SOUNDER VAD CEILING MOUNTED DEEP BASE RED BODY WHITE FLASH TYPE B
VTB-32EVAD W SB RB WF / SFD-221W	24 V 32 TONE SOUNDER VAD WALL MOUNTED SHALLOW BASE RED BODY WHITE FLASH TYPE A
VTB-32EVAD W DB RB WF / SFD-231W	24 V 32 TONE SOUNDER VAD WALL MOUNTED DEEP BASE RED BODY WHITE FLASH TYPE B
VXB-1EVAD C SB RB WF / PED-221C	24 V VAD CEILING MOUNTED SHALLOW BASE RED BODY WHITE FLASH TYPE A
VXB-1EVAD C DB RB WF / PED-231C	24 V VAD CEILING MOUNTED DEEP BASE RED BODY WHITE FLASH TYPE B
VXB-1EVAD W SB RB WF / PED-221W	24 V VAD WALL MOUNTED SHALLOW BASE RED BODY WHITE FLASH TYPE A
VXB-1EVAD W DB RB WF / PED-231W	24 V VAD WALL MOUNTED DEEP BASE RED BODY WHITE FLASH TYPE B

BASES
116-085 SHALLOW BASE - RED
116-086 SHALLOW BASE - WHITE
126-021 DEEP BASE - RED
126-022 DEEP BASE - WHITE