

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

Notified Body Nr. 0370

No.

**0370-CPR-2634**

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:**

- VOICE ALARM CONTROL AND INDICATING EQUIPMENT: **COMPACT SYSTEM**

Placed on the market under the name of:

## **OPTIMUS, S.A.**

C/ BARCELONA, 101  
17003 GIRONA (SPAIN)

And produced in the manufacturing plant:

C/ BARCELONA, 101  
17003 GIRONA (SPAIN)

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

### **EN 54-16:2008**

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 10<sup>th</sup> February 2017 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 and modified on 25<sup>th</sup> March 2022.

### **The monitoring assessment will be done before 28<sup>th</sup> February 2023**

Bellaterra, 25<sup>th</sup> March 2022

Applus<sup>+</sup>

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



## 0370-CPR-2634

Annexes according to **EN 54-16:2008**

### FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 16: VOICE ALARM CONTROL AND INDICATING EQUIPMENT

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
General Requirements	4	PASS
General Requirements For Indications	5	PASS
The Quiescent Condition	6	PASS
Reception and processing of fire signals	7.1	PASS
Indication of the voice alarm condition	7.2	PASS
Audible warning (option with requirements)	7.3	NA
Delays to entering the voice alarm condition (option with requirements)	7.4	NA
Phased evacuation (option with requirements)	7.5	PASS
Silencing of the voice alarm condition	7.6	PASS
Reset of the voice alarm condition	7.7	PASS
Output to fire alarm devices (option with requirements)	7.8	NA
Voice alarm condition output (option with requirements)	7.9	PASS
Fault Warning Conditions	8	PASS
Disabled Condition	9	NA
Voice Alarm Manual Control	10	PASS
Interface to External Control Device(s)	11	PASS
Emergency Microphone(s)	12	PASS
Design Requirements	13	PASS
Additional Design Requirements for Software Controlled VACIE	14	PASS
Marking	15	PASS
Output Power	16.4	PASS
Signal-to-noise Ratio	16.5	PASS
Frequency Response of VACIE Without Microphone(s)	16.6	PASS

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

## 0370-CPR-2634

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Frequency Response of VACIE With Microphone(s)	16.7	PASS
Cold (Operational)	16.8	PASS
Damp, Heat, Steady State (Operational)	16.9	PASS
Damp, Heat, Steady State (Endurance)	16.10	PASS
Impact (Operational)	16.11	PASS
Vibration, Sinusoidal (Operational)	16.12	PASS
Vibration, Sinusoidal (Endurance)	16.13	PASS
Supply Voltage Variation (Operational)	16.14	PASS
Electromagnetic Compatibility (EMC), Immunity tests (Operational)	16.15	PASS

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

## 0370-CPR-2634

THE CERTIFIED SYSTEM INCLUDES THE FOLLOWING MODULES AND OPTIONS
COMPACT: modular IP audio matrix for Public Address & Voice Alarm System.
COMPACT-E: System expansion unit.
UMX-C16: Contacts card with 16 inputs and 4 outputs.
UMX-EA3: 2 audio input card for priority and/or music with VOX control.
UMX-2M3: 2 audio input card for BGM.
UMX-2SA: 2 audio output card with amplifiers & speaker lines surveillance.
UMX-MC6: Zones subdivision card (6) with backup functionalities.
UMX-2SB1/2/3/4: Zones subdivision card (from 4 to 16) with individual music volume and surveillance/backup functionalities.
DC700ETH: PA/VA remote console device & fireman's microphone.
DA500D2: 2x500W power amplifier.
DA500D4: 4x500W power amplifier.
MS150: Unit of Power Supply SLAT certified EN54-4.
PS-630E: Emergency Power Supply 24V 180 Ah. 6x30 Ah.
ME200B: Built-in fireman's panel & microphone for COMPACT equipment.
LC-XB12100P: PANASONIC batteries 12V 100Ah.
KBL121000: Battery VRLA KAISE 12Vcc 100Ah.
Z-53CPR: enclosure for DC-700ETH equipment.
Z-53DFC: circuit breaker for MS-150 batteries.
Z-53DFA: circuit breaker for MS-150 main power supply.
Z-53TC: individual power supply plug for MS-150.
Z-50CF1: module for speaker line and ethernet connection.
Z-50CF2: 230VAC input filter.
C678CE2A: speaker line protection circuit for Z-50CF1.
C678CE3A: ethernet protection circuit for Z-50CF1.
IE-SW-BL08-8TX: WEIDMUELLER 8 port network switch.
AR-18KEN54: 18 units rack cabinet with accessories for EN54-16 compliance.
AR-27KEN54: 27 units rack cabinet with accessories for EN54-16 compliance.
AR-37KEN54: 37 units rack cabinet with accessories for EN54-16 compliance.
AR-42KEN54: 42 units rack cabinet with accessories for EN54-16 compliance.