

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)

Notified Body Nr. 0370

No.

0370-CPR-3607

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:

- CONTROL AND INDICATING EQUIPMENT
- POWER SUPPLY EQUIPMENT

MODEL: KFP-CF4, KFP-CF4-NL, KFP-CF4-SC

Placed on the market under the name of:

CARRIER FIRE & SECURITY B.V.

KELVINSTRAAT, 7
6003 DH WEERT (NETHERLANDS)

And produced in the manufacturing plant:

CARRIER MANUFACTURING POLAND SPÓŁKA Z O. O.

UL. KOLEJOWA, 24, 39-100 ROPCZYCE (POLAND)

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

EN 54-2:1997, EN 54-2:1997/AC:1999, EN 54-2:1997/A1: 2006; EN 54-4: 1997, EN 54-4: 1997/AC:1999, EN 54-4: 1997/A1:2002, EN 54-4:1997/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 31st October 2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. As of 1st June 2023, this and all previous modifications are confirmed.

The monitoring assessment will be done before 31st July 2024

Bellaterra, 1st June 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 54-2:1997, EN 54-2:1997/AC:1999, EN 54-2:1996/A1:2006**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 2: 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 |
| The fire alarm condition | 7. | PASS |
| Output to fire alarm devices (option with requirements) | 7.8 | PASS |
| Output to fire alarm routing equipment (option with requirements) | 7.9.1 | PASS |
| Alarm confirmation input from fire alarm routing equipment (option with requirements) | 7.9.2 | PASS |
| Outputs to fire protection equipment (options with requirements) Output type A | 7.10.1 | PASS |
| Delays to outputs (option with requirements) | 7.11 | PASS |
| Alarm counter (option with requirements) | 7.13 | PASS |
| Fault warning condition (see also annex F) | 8. | PASS |
| Total loss of the power supply (option with requirements) | 8.4 | PASS |
| Output to fault warning routing Equipment (option with requirements) | 8.9 | PASS |
| Disabled condition | 9. | PASS |
| Disabling of addressable points (option with requirements) | 9.5 | NA |
| Test condition (option with requirements) | 10. | PASS |
| Standardized input/output interface (option with requirements –see also annex G) | 11. | NA |
| Design requirements | 12. | PASS |
| Additional design requirements for software controlled control and indicating equipment | 13. | PASS |
| Marking | 14. | PASS |
| Cold (operational) | 15.4 | PASS |
| Damp heat, steady state (operational) | 15.5 | PASS |
| Impact (operational) | 15.6 | PASS |
| Vibration, sinusoidal (operational) | 15.7 | PASS |
| Electromagnetic Compatibility (EMC) | 15.8 | PASS |
| Supply voltage variation (operational) | 15.13 | PASS |
| Damp heat, steady state (endurance) | 15.14 | PASS |
| Vibration, sinusoidal (endurance) | 15.15 | PASS |

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

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Annexes according to **EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 4: POWER SUPPLY EQUIPMENT

| ESSENTIAL CHARACTERISTICS | CLAUSES IN THIS EUROPEAN STANDARD | MANDATED LEVEL(S) OR CLASS(ES) |
|--|-----------------------------------|--------------------------------|
| General requirements | 4. | PASS |
| Functions | 5. | PASS |
| Materials, design and manufacture | 6. | PASS |
| Documentation | 7. | PASS |
| Marking | 8. | PASS |
| Cold (operational) | 9.5 | PASS |
| Damp Heat, steady state (operational) | 9.6 | PASS |
| Impact (operational) | 9.7 | PASS |
| Vibration, sinusoidal (operational) | 9.8 | PASS |
| Electrostatic discharges (operational) | 9.9 | PASS |
| Damp heat, steady state (endurance) | 9.14 | PASS |
| Vibration, sinusoidal (endurance) | 9.15 | PASS |

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

Incorporating the following units:

KFP-CF4-MB Main control board
 2010-1-RB Optional relay board
 2010-1-SB Optional expander I/O board
 2010-1-NB Optional Network board
 2010-PS-20 2A Power Supply
 2010-1-AC Alarm counter (Applicable to NL variant)
 2010-SK Scandinavian Key Lock and Key (Applicable to SC variant)

Available with the following languages kits:

-01 Dutch (NL) The Netherlands -02 French (FR) France - 03 English (UK) United Kingdom and Ireland -04 German (DE) Germany -05 Norwegian Norway -06 Swedish Sweden -07 Danish (DK) Denmark -08 English (AU) Australia -09 Spanish Spain -10 Italian Italy -11 Dutch (BE) Belgium -12 Irish Ireland -13 German (AT) Austria -14 Greek Greece -15 Arabic Middle East -17 English (US) United States of America -18 Polish Poland -19 Turkish Turkey -20 Czech Republic -21 Portuguese Portugal -22 Hungarian Hungary -23 Danish (IS) Iceland -24 Slovakian Slovak Republic -25 Russian Russia -27 Lithuanian Lithuania -28 Finnish Finland -29 German (CH) Switzerland -30 Estonian Estonia -31 Latvian Latvia -32 French (BE) Belgium -33 French (CH) Switzerland -34 Italian (CH) Switzerland -36 French (Int) International French -40 Bulgarian Bulgaria -41 Belarusian Belarus -43 Ukrainian Ukraine -44 Serbian Serbia -45 Romanian (RO) Romania -46 German (Int) International German -48 Croatian Croatia -49 Macedonian Macedonia -50 Slovenian Slovenia -51 Hebrew Israel -71 Catalan Catalonia (Spain) -80 Chinese China -99 English (Int) International English.