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CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)

Notified Body Nr. 0370

No. 0370-CPR-3605

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: **ZP1-F2, ZP1-F2-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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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

Applus
LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.

ENAC
CERTIFICACIÓN
ISO 17065
Nº12 / C-PR054

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

CE

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0370-CPR-3605

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
Delays to outputs (option with requirements)	7.11	PASS
Fault warning condition (see also annex F)	8.	PASS
Total loss of the power supply (option with requirements)	8.4	PASS
Disabled condition	9.	PASS
Disablement 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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Technical Annex Ed. 1
31/10/2019

0370-CPR-3605

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:

1X-F2-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-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 an 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 (AU) German (Austria) -14 Greek Greece -15 Arabic Middle East -17 English (US) United States of America -18 Polish Poland -19 Turkish Turkey -20 Czech Czech Republic -21 Portuguese Portugal -22 Hungarian Hungary -23 Danish (IC) Iceland -24 Slovakian Slovak Republic -25 Russian Russia -27 Lithuanian Lithuania -28 Finnish Finland -29 German (SW) Switzerland -30 Estonian Estonia -31 Latvian Latvia -32 French (BE) Belgium -33 French (SW) Switzerland -34 Italian (SW) 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 Catalunia (Spain) -80 Chinese China -99 English (Int) International English.