

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No.

0370-CPR-2303

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

- **PART 20: ASPIRATING SMOKE DETECTORS**

TRADEMARK: **EDWARDS** MODEL: **LASERSENSE 10**

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 standard:

EN 54-20:2006, EN 54-20:2006/AC: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 15th January 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 54-20:2006, EN 54-20:2006/AC:2008**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 20: ASPIRATING SMOKE DETECTORS

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Individual visual alarm indication	5.2	PASS
Connection of ancillary devices	5.3	PASS
Manufacturer's adjustments	5.4	PASS
On site adjustment of response behaviour	5.5	PASS
Response to slowly developing fires	5.6	PASS
Mechanical strength of the pipework	5.7	PASS
Hardware components and additional sensing elements in the sampling device	5.8	PASS
Airflow monitoring	5.9	PASS
Power supply	5.10	PASS
Data	5.11	PASS
Additional requirements for software controlled detectors	5.12	PASS
Repeatability	6.2	PASS
Reproducibility	6.3	PASS
Variation in supply parameters	6.4	PASS
Dry heat (operational)	6.5	PASS
Cold (operational)	6.6	PASS
Damp heat, steady state (operational)	6.7	PASS
Damp heat, steady state (endurance)	6.8	PASS
Sulfer dioxide (SO ₂) corrosion (endurance)	6.9	PASS
Shock (operational)	6.10	PASS
Impact (operational)	6.11	PASS
Vibration, sinusoidal (operational)	6.12	PASS
Vibration, sinusoidal (endurance)	6.13	PASS
Electromagnetic compatibility (EMC) immunity tests	6.14	PASS
Fire sensitivity	6.15	PASS CLASS A CLASS B CLASS C

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