Constancy of Performance Certificate

No. 0370-CPR-6895

Date issued: 17/04/2026
First issue date: 08/09/2023
Expiry date: 31/03/2029

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

Shenzhen HTI Sanjiang Electronics Co., Ltd.

3/F., Guangcai Xintiandi Mansion, Nanshan Road, Nanshan District, Shenzhen, Guangdong, 518054, China

Manufactured at the production plant

Building 1B, Hongao Industrial Estate (Hongfa High-tech Industrial Park), Crossing of Genyu Road and Nanming Road, Gongming Street, Guangming New District, Shenzhen, Guangdong, China

PRODUCT

Fire detection and fire alarm system

- Control and indicating equipment
- Power supply equipment
- Fixed firefighting systems - components for gas extinguishing systems. Requirements and test methods for electrical automatic control and delay devices

Model: ECP1000 – Gas Fire Extinguishing Control Panel

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

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; EN 12094-1:2003

Under **system 1** for the performance set out in this certificate are applied and the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

The validity of this certificate remains valid as long as the harmonised standard, the construction product, the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.

This document is not valid without its technical annex; whose number coincides with that of the certificate.

Xavier Ruiz Peña
Managing Director
Conformity Assessment

LGAI Technological Center S.A. (APPLUS)
Notified Body No. 0370
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ENAC
CERTIFICACIÓN
ISO 17065
Nº12 / C-PR054

Check the status of this certificate

Certificate

LGAI Technological Center S.A. (APPLUS)
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Technical Annex

Annex according to EN 54-2:1997, EN 54-2:1997/AC:1999, EN 54-2:1996/A1:2006

Fire detection and fire alarm system. 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
Reception and processing of fire signals	7.1	Pass
Output to fire alarm devices (option with requirements)	7.8	Pass
Delays to outputs (option with requirements)	7.11	Pass
Fault warning condition	8.	Pass
Fault signals from points (option with requirements)	8.3	Pass
Disabled condition	9.	Pass
Disablement of addressable points (option with requirements)	9.5	Pass
Test condition (option with requirements)	10	Pass
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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Annex 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 system. 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

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Annexes according to EN 12094-1:2003

Fixed firefighting systems - components for gas extinguishing systems. Part 1: requirements and test methods for electrical automatic control and delay devices

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Functional requirements	4.	Pass Class A
Design requirements	5.	Pass
Additional design requirements for software controlled for electrical automatic control and delay devices	6.	Pass
Marking	7.	Pass
Documentation	8.	Pass
Performance test	9.1	Pass
Functional tests	9.2.	Pass
Ambiental tests	9.3.	Pass
Damp heat, Cyclic (operational)	9.4.	Class A - na
SO2 corrosion (endurance)	9.5.	Class A - na

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

Options with requirements included in EN12094-1: 4.17, 4.18, 4.19, 4.20, 4.21, 4.23, 4.24, 4.30

The control and Indicating Equipment ECP1000 is equipped with:

- ECP1000_A - Main Board,
- ECP1000_B - System Board,
- ECP1000_KEY – Key Board,
- PS-A2810B - Power Supply,
- ECP1000_DZ - IO Board,
- 2 x 7Ah 12V batteries,
- ECP1000_HL/ECP1000_HL_EPC – additional Loop Card
- SEC1000_COM - Communication Board.

The ECP1000 – Gas Fire Extinguishing Control Panel can be used in conjunction with the following ancillaries: RSU100 remote status unit, C9065T extinguishant Hold Off and the QM-ZSD-01E gas release indicator.
The use of ancillaries does not imply the compliance with the fire detection and alarm systems requirements of EN 54-13.