

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL

No. **APF-2039**

LGAI TECHNOLOGICAL CENTER S.A. (APPLUS), according to the requirements of the SPC-102 Ed. 5, certifies the performances stated in the technical annex following the reference standard for:

Product range	Morley MAX MODELS: MA-1000, MA-2000, MA-8000
Company	NOTIFIER ITALIA, S.R.L. VIA GRANDI, 22 20097 SAN DONATO MILANESE (MI) ITALIA
Manufactured	22/32300420
Standard Reference	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." 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".
Product Details and Test Report	Please check at the technical annex



Valid until 31st December 2023

Bellaterra, 10th March 2023

 LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director	
You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products	

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



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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 (see also annex C)	7.1	PASS
Output of the fire alarm condition	7.7	PASS
Output to fire alarm devices (option with requirements)	7.8	PASS
Control of fire alarm routing equipment (options with requirements)	7.9	NA
Outputs to fire protection equipment (option with requirements)	7.10	NA
Delays to outputs (option with requirements)	7.11	PASS
Dependencies on more than one alarm signal (options with requirements) – Type A dependency	7.12.1	NA
Dependencies on more than one alarm signal (options with requirements) – Type B dependency	7.12.2	NA
Dependencies on more than one alarm signal (options with requirements) – Type C dependency	7.12.3	PASS
Alarm counter (option with requirements)	7.13	NA
Fault warning condition (see also annex F)	8.	PASS
Fault signals from points (option with requirements)	8.3	PASS
Total loss of the power supply (option with requirements)	8.4	PASS
Output to fault warning routing equipment (option with requirements)	8.9	NA
Disabled condition	9.	PASS
Disabling of addressable points (option with requirements)	9.5	PASS
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

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ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
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

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