

# Declaration of performance

N°: 1134-CPR-RFZ050D

- 1) Product family - appellation :  
**Control and indicating equipment**
- 2) Product reference :  
**RFZ050D**
- 3) Intended use or uses :  
**Fire protection System**
- 4) Name, registered trade name and contact address of the manufacturer:  
**Hager Security SAS –140 Rue du pré de l'Horme 38920 Crolles – France**
- 5) System or systems of assessment and verification of constancy of performance :  
**System 1**
- 6) Name of the notified body which has delivered a certificate: **ANPI Certification**  
Identification number of the notified body: **1134**  
Certificate reference : **1134-CPR-xxxxxyy**
- 7) Delivery of an European Technical assessment : **NA.**
- 8) Declared performance:

<b>EN54-2:1997/AC:2006 - Control and Indicating Equipment</b>	<b>Test result</b>
Product identification with respect to the technical file	Passed
§4 General requirements	Passed
§5 General requirements for indications	Passed
§6 The quiescent condition	Passed
§7.1 to 7.7 The fire alarm condition	Passed
§7.8 Output to fire alarm devices (option with requirements)	Passed
§8.1 and 8.2 Reception and process. of fault signals, Indication of faults	Passed
§8.5 System fault	Passed
§8.6 to 8.8 Audible indication, Reset of fault indications, Fault output	Passed
§9.1 Disabled condition	Passed
§9.4 Disabled condition	Passed
§9.4-2a Disabling the siren of detectors	NDP
§9.5 Disabling of addressable points (option with requirements)	Passed
§10 Test condition (option with requirements)	NA
§11 Standardized input/output Interface	NA
§12.1-12.2 General requ. and manufacturer's declarations- Documentation	Passed
§12.3 Mechanical design requirements	Passed
§12.4 Electrical and other design requirements	Passed
§12.5 Integrity of transmission paths	Passed
§12.6 Accessibility of indications and controls	Passed
§12.7 Indications by means of light emitting indicators	Passed
§12.8 Indications on alphanumeric displays	Passed
§12.9-12.11 Colours, audible and testing of indicators	Passed
§13 Additional design requirements for software controlled CIE	Passed
§14 - Marquage	Passed
§15.4 Cold -5°C, 16h (operational)	Passed
§15.5 Damp heat, steady state (operational) 40°C, 93%, 4 days	Passed
§15.6 Impact (operational)	Passed
§15.7 Vibration, sinusoidal (operational)	Passed
§15.8.1 a) mains voltage variations	Passed
§15.8.1 b) mains supply voltage dips and interruptions	Passed
§15.8.1 c) electrostatic discharge	Passed
§15.8.1 d) radiated electromagnetic fields	Passed
§15.8.1 e) conducted disturbances induced by electromagnetic fields	Passed
§15.8.1 f) fast transient bursts	Passed
§15.8.1 g) slow high energy voltage surges	Passed
§15.13 Supply voltage variation (operational)	Passed
§15.14 Damp heat, steady state 40°C, 93%, 21d (endurance)	Passed
§15.15 Vibration, sinusoidal (endurance)	Passed

<b>EN50130-4:2011 Option (fire safety products)</b>	<b>Test result</b>
Supplementary tests to cover all 2011 version requirements (AM)	Passed
<b>EN54-4:1997/A1/2002 Power supply equipment</b>	<b>Test result</b>
Product identification with respect to the techn file	Passed
§4 General requirements	Passed
§5.1 Power supply from the main power source	Passed
§5.2 Power supply from the standby power source (battery)	Passed
§5.3.1.a-b and 5.3.2 Charger	Passed
§5.3.1.c Temperature compensation of the charging voltage	Passed
§5.4.a-b-d Faults	Passed
§5.4.c Battery high internal resistance fault	Passed
§5.4 Separate/integrated power supply	Passed
§6.1 Manufacturer's declaration	Passed
§6.2-3 Mechanical and electrical design	Passed
§6.4 Power supply interface	Passed
§7-8 - Documentation et marquage	Passed
§9.2 Functional tests (full)	Passed
§9.3 Test of the charger and the standby power source	Passed
§9.5 Cold -5°C, 16h (operational)	Passed
§9.6 Damp heat, steady state 40°C, 93%, 4d (operational)	Passed
§9.7 Impact (operational)	Passed
§9.8 Vibration, sinusoidal (operational)	Passed
§9.9 a) mains voltage variations	Passed
§9.9 b) mains supply voltage dips and interruptions	Passed
§9.9 c) electrostatic discharge	Passed
§9.9 d) radiated electromagnetic fields	Passed
§9.9 e) conducted disturbances induced by electromagnetic fields	Passed
§9.9 f) fast transient bursts	Passed
§9.9 g) slow high energy voltage surges	Passed
§9.14 Damp heat, steady state 40°C, 93%, 21d (endurance)	Passed
§9.15 Vibration, sinusoidal (endurance)	Passed
<b>EN54-25:2008/AC:2012 Fire detection and fire alarm systems - Components using radio links</b>	<b>Test result</b>
§4 System requirements	Passed
§5.2 Reference verification of products already certified by ANPI	Passed
§5.3 Power supply equipment	Passed
§6-7 Marking and Documentation	Passed
§8.2.2 Test for immunity to site attenuation (per system)	Passed
§8.2.3 Test for alarm signal integrity (per system)	Passed
§8.2.4 Test for identification of RF linked components (per system)	Passed
§8.2.5 Receiver performance test report assessments (per receiver module type)	Passed
§8.2.6 Test for mutual disturb between syst of the same manufact (per system)	Passed
§8.2.7 Test of compatibility with other band users (per system)	Passed
§8.2.8 Test for the detection of a loss of communication on a link (per system)	Passed
§8.2.9 Test of the antenna	Passed
§8.3.6 Repeatability test	Passed
§8.3.8 Variation in supply voltage	Passed
§8.3.11 Cold (operational, 16h00)	Passed
§8.3.13 Damp heat, steady state (operational, 4 days)	Passed
§8.3.14 Damp heat, steady state (endurance, 21 days)	Passed
§8.3.17 Impact (operational)	Passed
§8.3.18 Vibration, sinusoidal (operational)	Passed
§8.3.19 Vibration, sinusoidal (endurance)	Passed
§8.3.20.2.a) electrostatic discharge	Passed
§8.3.20.2.b) radiated electromagnetic fields	Passed
§8.3.20.2.c) conducted disturbances induced by electromagnetic fields	Passed

*NPD = no performance determined / NA = not applicable*

9) The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Place and date of issue: **Crolles 07<sup>th</sup> of March 2019**

Signature :

Signer Name : **Jean Michel Bouchet**

Position : **Product Certification and Regulation Manager**

