



Date: 17/05/2024

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730	CERTIFICATE NUMBER	APF-2025
DATE OF ISSUE	25/03/2022 08/04/2022 04/04/2022 16/12/2021 07/04/2022 25/03/2022 07/04/2022	DATE OF ISSUE	17/05/2024
DATE OF EXPIRY	--	DATE OF EXPIRY	30/06/2025
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	PITWAY TECNOLOGICA S.R.L	NAME OF THE BRAND	Morley-IAS by Honeywell
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	VIA G. E S. CABOTO 19/3 34147 TRIESTE, ITALY	MODEL / NO	LT-32/LT-159 Fire Alarm Control Panel
WEBSITE	www.honeywelllifesafety.es	LOGO ON THE PRODUCT	
TEL	+34 931 33 47 60	EMAIL	infohlsiberia@honeywell.com



Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	The analogue-addressable control panel LT-32/LT-159 is compact in size and very easy to install and configure. The system is specially designed for Agile radio equipment. Installation and commissioning time are reduced to a minimum since only the physical connection to the radio system gateway is required and the control panel identifies the rest of the sensors, input modules, sirens/flashers installed. LT-32 is a limited single loop addressable panel limited to 32 addressable devices sensors or modules while LT-159 allows up to 159 mainly wireless devices and a few wired In a maximum of 16 zones. LT-32 Includes two sounder circuits while LT-159 only one sounder circuit LT-32/LT-159 control panel includes Honeywell's Advanced protocol which maximizes the speed and efficiency of alarm detection, as well as providing maximum information to the installer. The 4.3" (480x272 pixel) screen provides an intuitive user interface via its touch screen and menus with quick and easy system operation. The LT-32/LT-159 Series control panel allows configuration from the screen itself. Due to its size and power, it is the ideal analogue addressable control panel for small sites where maximum information is required from the installed devices. The control panel allows the identification of each of the analogical sensors with different levels of alarm in order to verify the state of the system before carrying out any evacuation or transmission to the alarm receiving station or to the building management system. Features: - Display - 4.3" Touch-screen graphical color display, 480x272 pixel with back illumination and backlit membrane buttons. - 16 Zones (These can be Detection Zone, Alarm Zone or Control Zone). - Fire and Fault relay NO/NC configurable using jumper. - Two sounder circuits in the LT-32 and one sounder circuit In LT-159 (maximum 50mA each). - Panel Includes output delays according EN54 with a maximum of 10 minutes. - 8 light status icons: Fire, System Fault, General Fault, Disable, Test, Sounder Fault, Power Fault, Power. - The following 4 operating buttons are situated on the right side of the panel: Reset panel, Mute, Silence sounders, Evacuate. - The internal panel buzzer provides an audible alert to the authorized user to take immediate action whenever the system detects any condition such as a fire or fault event. Depending on the type of event, the buzzer activates (sounds) using a different tone pattern. The SILENCE BUZZER control button is used to silence (mute) the internal buzzer after it has switched on following an event. This control is available at all access levels without a need for PIN code.	20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730



Product Details From Test Report		Reference Test Report page NO
	- AC power supply with different plug options with a maximum rate power of 24W. - Autonomy in standby and alarm time in absence of main power are based on the system configuration. Please refer to Honeywell Loop Calculator for more details. - panel Is specified for small applications, especially for wireless devices. Maximum loop distance 500 meters, below 10 ohms resistance depending on the loop load current - 6 AA-size 2,700mAH Nickel metal hydride (Ni-MH) battery. - Log and configuration through USB port type B - Imin= 200mA, Imaxa= 500mA, Imaxb=1,5Amps - Maximum RiMin=0R7ohms - External power supply 100-240Vac / 50/60Hz - Power connection terminal: European standard AC. UK connector option - Maximum power consumption: 24W - Operating Condition -5 to 40°C - Supervised sounder outputs (1 in the LT-159, 2 in the LT-32), each providing a maximum of 50mA - Maximum 500 meters distance depending on the cable section and current consumption In alarm - 1 Alarm relay with configurable NC/NA contact - 1 Fault relay with configurable NC/NA contact Dimensions 206,9 x 126,9 x 42,7 (width x height x depth)	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	EN 54-2, "Fire detection and fire alarm systems. Part 2: Control and indicating equipment." EN 54-4, "Fire detection and fire alarm systems. Part 4: Power supply equipment."	20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730
TEST DESCRIPTION	Construction and performance test of an Addressable Fire Panel	20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730
SPECIFICATION OF TEST SPECIMEN	Each of the reports specifies in detail the number of specimens and supplements used to carry out each of the tests. LT Series LT-32 and LT-159	20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730



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TEST RESULT (SUCH AS PASSED CRITERIA ___/ COMPLIED TO ___/ DURATION ___/ OBSERVATION ___/ETC)	EN 54-2:1997, EN54-2:1997/AC:1999, EN54-2:1997/A1:2006	20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730																																																																																																				
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Type C (option with requirements)</td><td>7.12.3</td><td>PASS</td></tr> <tr><td>Alarm counter (option with requirements)</td><td>7.13</td><td>NA</td></tr> <tr><td>Fault warning condition (see also annex F)</td><td>8.</td><td>PASS</td></tr> <tr><td>Fault signals from points (option with requirements)</td><td>8.3</td><td>PASS</td></tr> <tr><td>Total loss of the power supply (option with requirements)</td><td>8.4</td><td>PASS</td></tr> <tr><td>Output to fault warning routing Equipment (option with requirements)</td><td>8.9</td><td>NA</td></tr> <tr><td>Disabled condition</td><td>9.</td><td>PASS</td></tr> <tr><td>Disabling of addressable points (option with requirements)</td><td>9.5</td><td>PASS</td></tr> <tr><td>Test condition (option with requirements)</td><td>10.</td><td>PASS</td></tr> <tr><td>Standardized input/output interface (option with requirements -see also annex G)</td><td>11.</td><td>NA</td></tr> <tr><td>Design requirements</td><td>12.</td><td>PASS</td></tr> <tr><td>Additional design requirements for software controlled control and indicating equipment</td><td>13.</td><td>PASS</td></tr> <tr><td>Marking</td><td>14.</td><td>PASS</td></tr> </tbody> </table> PASS; NPD = No Performance Determined, NA = Not Apply <table border="1"> <thead> <tr> <th>ESSENTIAL CHARACTERISTICS</th> <th>CLAUSES IN THIS EUROPEAN STANDARD</th> <th>MANDATED LEVEL(S) OR CLASS(ES)</th> </tr> </thead> <tbody> <tr><td>Cold (operational)</td><td>15.4</td><td>PASS</td></tr> <tr><td>Damp heat, steady state (operational)</td><td>15.5</td><td>PASS</td></tr> <tr><td>Impact (operational)</td><td>15.6</td><td>PASS</td></tr> <tr><td>Vibration, sinusoidal (operational)</td><td>15.7</td><td>PASS</td></tr> <tr><td>Electromagnetic Compatibility (EMC)</td><td>15.8</td><td>PASS</td></tr> <tr><td>Supply voltage variation (operational)</td><td>15.13</td><td>PASS</td></tr> <tr><td>Damp heat, steady state (endurance)</td><td>15.14</td><td>PASS</td></tr> <tr><td>Vibration, sinusoidal (endurance)</td><td>15.15</td><td>PASS</td></tr> </tbody> </table> PASS; NPD = No Performance Determined, NA = Not Apply		ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)	General requirements	4.	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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.	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Product Details From Test Report			Reference Test Report page NO
	EN 54-4:1997, EN54-4/AC:1999, EN54-4/A1:2002, EN54-4/A2:2006		
	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			
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN ___/TO BE INSTALLED AT ___/TO BE CONNECTED WITH ___/TO BE INSTALLED WITH _ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN ___/NOT TO BE INSTALLED AT ___/ NOT TO BE INSTALLED WITH ___ETC.	The equipment must be installed indoors, in locations with a temperature range of -5 to 40°C with a maximum relative humidity of 95% without condensation. The installation of the panel must be carried out by qualified personnel. The electronic components that make up of the equipment are vulnerable to physical damage or electrostatic discharge. It is advisable to take anti-static precautions. The equipment must be installed on a flat, dry surface at eye level and so that the housing is not deformed.		
	The panel must be mounted on a wall at a height of 1.7 m above floor level, such that the display is just above normal eye level.		
	The LT-32/LT-159 fire alarm panel can be surface mounted onto a flat wall using suitable fixtures and fittings (height between 80 to 160 cm) As a general recommendation for type of wall surfaces, ensure assessments are made and suitable fixtures and fittings are used to hold the panel assembly. The panel backbox is mounted on a concrete block wall.		
	All wiring must comply with local wiring regulations. Also note the requirements for cabling and interconnection of a fire detection and alarm system. For information on how to wiring inputs and outputs, please refer to the appropriate module and wiring to their terminals.		
	Recommended batteries: As a minimum, replace the panel batteries that provides power to the system every four years. The battery units must always be disposed of in accordance with the battery manufacturer’s, 6 AA-size 2,700mAH Nickel metal hydride (Ni-MH) batteries.		
			20/36402732 22/36401450 20/36402735 20/36402734 20/36402733 20/36402731 20/36402730



Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	Applus - LGAI Technological Center S.A.	NAME OF TEST FACILITY	Applus - LGAI Technological Center S.A.
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Campus UAB- Ronda de la Font del Carme s/n E-08193 Bellaterra, Barcelona, SPAIN	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Campus UAB- Ronda de la Font del Carme s/n E-08193 Bellaterra, Barcelona, SPAIN
WEBSITE	www.applus.com	WEBSITE	www.applus.com
TEL	+34 93 567 20 00	TEL	+34 93 567 20 00
EMAIL	info@appluslaboratories.com	EMAIL	info@appluslaboratories.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	ENAC	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	ENAC
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	EN ISO/IEC 17065	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	EN ISO/IEC 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	UNLIMITED	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	UNLIMITED
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	12/C-PR054	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Nº 9/LE894
CERTIFICATION MARK			



(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER

NAME OF MANUFACTURER'S SIGNATORY	Jon Potter	SIGNATURE	
EMAIL / TEL	jonathan.potter@honeywell.com	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY

NAME OF CERTIFICATION BODY SIGNATORY	Xavier Ruiz Peña	SIGNATURE	
EMAIL / TEL	xavier.ruiz@applus.com +34 93 567 20 00	CERTIFICATION BODY OFFICIAL SEAL	 LGA Technological Center, S.A.

ATTACHMENTS:

- COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)