

HEIMAN 635PHW

HEIMAN Wireless Photoelectric Smoke Detector User Manual

Model: 635PHW | Brand: HEIMAN

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your HEIMAN Wireless Photoelectric Smoke Detector. This device is designed to detect smoke and alert occupants to potential fire hazards, providing crucial early warning. It features an advanced infrared photoelectric sensor to minimize false alarms and offers a loud 85 dB alarm sound.

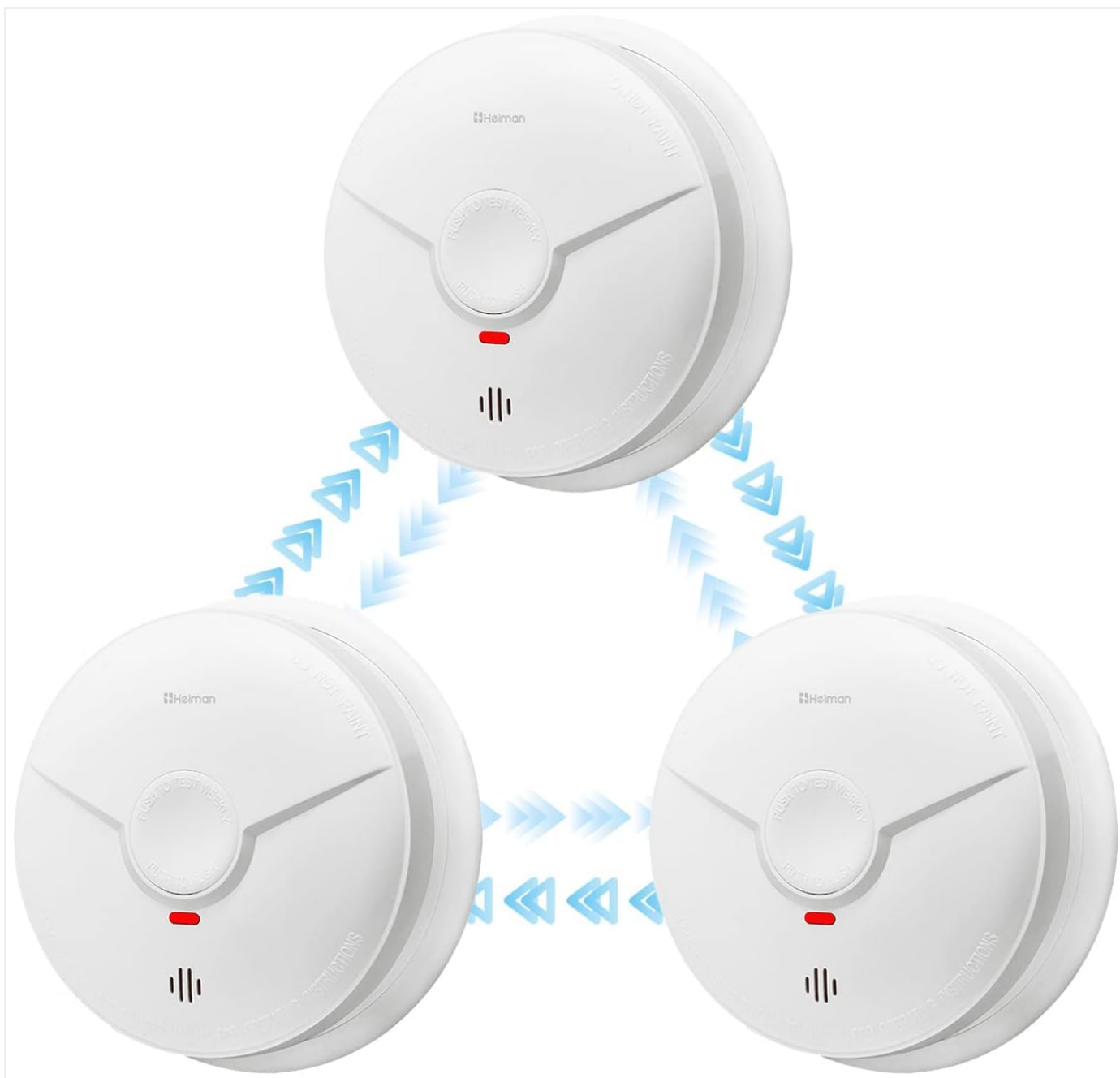


Image 1.1: Overview of three HEIMAN wireless smoke detectors, illustrating their interconnected capability.

The HEIMAN smoke detector is compliant with the EN14604:2005/AC:2008 standard, ensuring high quality and reliability. It is equipped with an integrated lithium battery designed for a 10-year lifespan, providing long-term protection without frequent battery changes.

2. IMPORTANT SAFETY INFORMATION

- **Do not paint the smoke detector.** Painting the device can interfere with the smoke sensing mechanism and reduce its effectiveness.
- **Do not install in areas with high humidity or extreme temperatures.** Avoid kitchens, bathrooms, and garages where steam, cooking fumes, or exhaust can cause false alarms.
- **Regularly test the smoke detector.** Press the test button weekly to ensure proper functionality.
- **Replace the unit after 10 years.** Even if the battery is still functional, the sensor's effectiveness may degrade over time.
- **Ensure proper placement.** Install smoke detectors in all bedrooms, hallways leading to bedrooms, and on every

level of your home, including the basement.

- **Keep away from direct airflow.** Avoid placing detectors near windows, doors, or air vents that could dilute smoke or prevent it from reaching the sensor.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- HEIMAN Wireless Photoelectric Smoke Detector (3 units)
- Mounting Bracket (3 units)
- Screws and Wall Plugs (for each unit)
- User Manual (this document)
- Integrated CR123A Lithium Battery (pre-installed in each unit)

4. SETUP AND INSTALLATION

4.1 Choosing a Location

For optimal protection, install smoke detectors in every sleeping area, outside each separate sleeping area, and on every level of your home, including the basement. For interconnected systems, strategic placement ensures that an alarm in one area triggers all connected alarms.



When one alarm activates, all interlinked smoke alarms will sound.

A maximum of 40 wireless smoke alarms can be interconnected.

Image 4.1: Recommended smoke detector placement throughout a typical home. When one alarm activates, all interlinked smoke alarms will sound. A maximum of 40 wireless smoke alarms can be interconnected.

4.2 Mounting the Detector

1. **Prepare the mounting surface:** Choose a flat ceiling or wall surface, away from corners or obstructions.
2. **Mark drill holes:** Use the mounting bracket as a template to mark the positions for the two drill holes.
3. **Drill holes:** Drill two holes at the marked positions. Insert the wall plugs if necessary.
4. **Attach the bracket:** Secure the mounting bracket to the ceiling or wall using the provided screws.
5. **Attach the smoke detector:** Align the smoke detector with the mounting bracket and twist it clockwise until it clicks securely into place. Ensure it is firmly attached.



Image 4.2: Smoke detector dimensions and EN14604 certification.

4.3 Interconnection (for multiple units)

The HEIMAN smoke detectors can be wirelessly interconnected, allowing all alarms to sound simultaneously when one detects smoke. Up to 40 units can be interconnected. Refer to the specific interconnection instructions provided with your multi-pack or contact customer support for detailed pairing procedures.

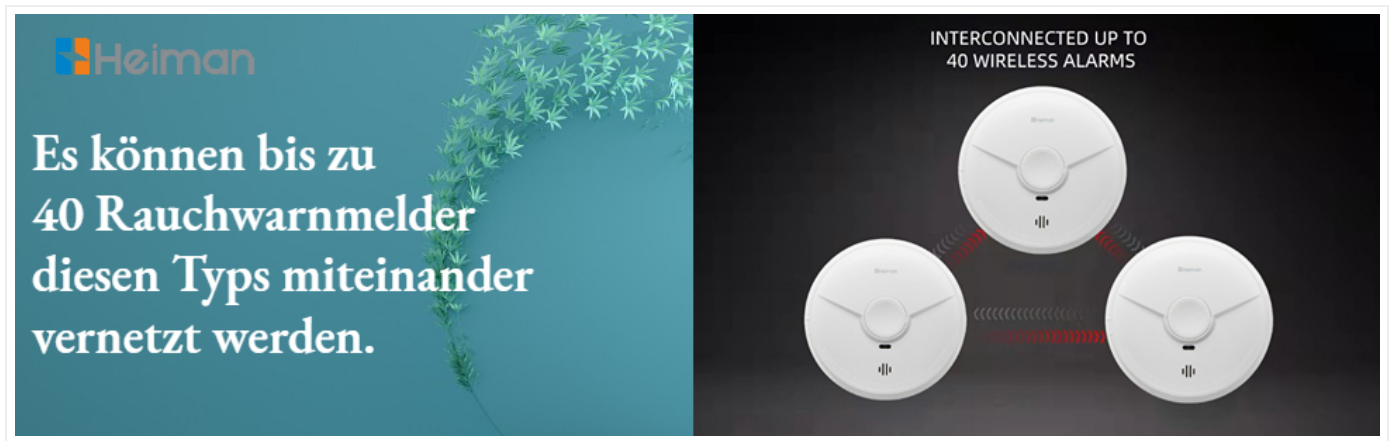


Image 4.3: Wireless interconnection capability for up to 40 alarms.

5. OPERATING INSTRUCTIONS

5.1 Normal Operation

During normal operation, the smoke detector will periodically flash its LED indicator to show it is functioning correctly. This flash is typically subtle and infrequent.

SENSITIVE&INTELLIGENT

360° perception of smoke with fewer false alarms



Image 5.1: The smoke detector's 360° smoke perception for sensitive and intelligent detection.

5.2 Test Function

To test the smoke detector's functionality, press and hold the large central button labeled "PUSH TO TEST WEEKLY". The alarm will sound loudly (85 dB) and the LED will flash. Release the button to stop the alarm. Perform this test weekly to ensure the detector is working correctly.



10-YEAR



10-YEAR



EXACT



EFFICIENT

Image 5.2: The test button and internal components of the smoke detector, highlighting its 10-year battery life.

5.3 Alarm Indication

When smoke is detected, the alarm will sound continuously at over 85 dB, and the red LED indicator will flash rapidly. If multiple units are interconnected, all connected alarms will sound.

6. MAINTENANCE

6.1 Low Battery Warning

The smoke detector is equipped with an integrated lithium battery designed for a 10-year lifespan. When the battery is

nearing the end of its life, the smoke detector will emit a short beep and the LED will flash approximately once every 53 seconds. This indicates that the unit needs to be replaced soon.

6.2 Cleaning the Detector

Dust and debris can accumulate on the smoke detector and affect its performance. Clean the detector at least once a month by gently vacuuming the exterior with a soft brush attachment or wiping it with a clean, damp cloth. **Do not use cleaning sprays or solvents on the detector.**

6.3 Unit Replacement

Due to the integrated 10-year battery and sensor lifespan, the entire smoke detector unit should be replaced after 10 years from the date of manufacture or installation, whichever comes first. Refer to the date printed on the back of the unit.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector beeps every 53 seconds.	Low battery warning.	The integrated battery is nearing the end of its life. Replace the entire smoke detector unit.
Detector sounds alarm without visible smoke.	Dust or debris in the sensing chamber. High humidity or steam (e.g., from a bathroom). Cooking fumes or exhaust. Insect infestation.	Clean the detector as described in Section 6.2. Relocate the detector away from sources of steam or fumes. Remove any insects.
Detector does not sound alarm during test.	Unit is faulty. Battery is completely depleted.	Ensure the test button is pressed firmly. If still no alarm, the unit is faulty and needs immediate replacement.

8. SPECIFICATIONS

Manufacturer	HEIMAN
Item Model Number	635PHW
Product Dimensions (L x W x H)	13 x 13 x 3 cm (5.12 x 5.12 x 1.18 inches)
Item Weight	450 Grams (0.99 lbs)
Number of Items	3 (for the set)
Color	White
Material	ABS
Shape	Circular
Power Source	Battery Powered (Integrated Lithium Battery)

Battery Type	1 CR123A (integrated, non-replaceable)
Installation Method	Screw-in
Coverage Area	20-50 m²
Sensor Type	Photoelectric
Alarm Type	Audible (>85 dB)
Operating Temperature (Max)	50 Degrees Celsius
Usage	Indoor
Certification	EN14604


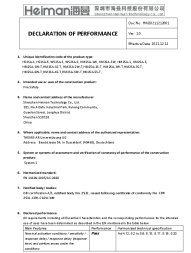

9. WARRANTY AND SUPPORT


Specific warranty information for this product is not provided in the available documentation. For warranty claims or technical support, please contact your retailer or the manufacturer directly. Keep your proof of purchase for any warranty-related inquiries.

Spare Parts Availability: Information regarding the availability of spare parts for this product is currently unavailable.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents


	Heiman Photoelectric Smoke Alarm Device HM-633PHW, HM-635PHW User Manual User manual for the Heiman Photoelectric Smoke Alarm Device, models HM-633PHW and HM-635PHW. This document provides instructions on installation, operation, maintenance, and troubleshooting for the smart photoelectric smoke alarm with RF transceiver capabilities.
	Heiman Declaration of Performance: Fire Safety Products (HS2SA, WS2SA, HM2SA Series) Official Declaration of Performance from Heiman Technology Co., Ltd. for their HS2SA, WS2SA, and HM2SA series fire safety products, confirming compliance with EN 14604:2005/AC:2008.
	Heiman S1 Photoelectric Smoke Alarm User Manual Comprehensive user manual for the Heiman S1 Photoelectric Smoke Alarm, covering safety information, installation, testing, maintenance, technical specifications, and FCC compliance. Includes detailed instructions and recommendations for optimal performance and safety.



Heiman WS2WL-TY Smart Water Leakage Alarm User Manual

Comprehensive user manual for the Heiman WS2WL-TY Smart Water Leakage Alarm, covering product introduction, technical specifications, setup, operation, troubleshooting, and FCC compliance information.

Documents - HEIMAN – 635PHW



深圳市海曼科技股份有限公司
Shenzhen Heiman Technology Co., Ltd.

DECLARATION OF PERFORMANCE	Doc No.:20190830002
	Ver.:1.2
	Effective Date:2022.09.16

1. Unique identification code of the product type:
HM-633PHW, HM-633PHS, HM-633PH-E, HM-633PH-Z, HM-633PH-NB
HM-635PHW, HM-635PHS, HM-635PH-E, HM-635PH-Z, HM-635PH-NB

2. Intended use or uses of the construction product:
Fire Safety

3. Name and contact address of the manufacturer:
Shenzhen Heiman Technology Co., Ltd.
031, No.4 Dafa Industrial Park, Kuliang Community,
Guanlan Street, Longhua District
Shenzhen 518110
China

4. Where applicable, name and contact address of the authorized representative:
HEIMANTECH GmbH
Address: Beedstrasse 34, in Düsseldorf, (40468), Deutschland

5. System or systems of assessment and verification of constancy of performance of the construction product:
System 1

6. Harmonized standard:
EN 14504:2005/A1:2009
Notified body/ bodies:
TÜV Rheinland
Performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1/2000/2012 and issued following certificate of conformity No. 1006-CPX-MC 0030719 for 633 DC series products and conformity No. 1006-CPX-MC 6205716 for 635 DC series products.

7. Declared performance:
All requirements including all Essential Characteristics and the corresponding performances for the intended use of uses have been determined as described in the ETI mentioned in the table below

[\[pdf\]](#) Decleration of Conformity

Windows User 633 635 DC DECLARATION OF PERFORMANCE 2024 Large Smoke Detectors

PRODUCT Shenzhen Heiman Technology Co Ltd 20241024120201Vu heimantech product common upload 10 24 |||

DECLARATION OF PERFORMANCE Doc No.:20190830002 Ver.:1.2 Effective Date:2022.09.16

1. Unique identification code of the product-type: HM-633PHW, HM-633PHS, HM-633PH-E, HM-633PH-Z, HM-633PH-NB HM-635PHW, HM-635PHS, HM-633PH-E, HM-635PH-Z, HM-635PH-NB

2. Intended use or uses of the construction produ...

lang:en score:25 filesize: 362.2 K page_count: 2 document date: 2024-10-24

[Heiman Photoelectric Smoke Alarm Device HM-633PHW, HM-635PHW User Manual](#)

User manual for the Heiman Photoelectric Smoke Alarm Device, models HM-633PHW and HM-635PHW. This document provides instructions on installation, operation, maintenance, and troubleshooting for the smart photoelectric smoke alarm with RF transceiver capabilities.

lang:en score:12 filesize: 2.57 M page_count: 1 document date: 2022-04-07