

## Smartwares RM250/2

# Smartwares RM250/2 Smoke Detector User Manual

Model: RM250/2 (FSM-11512) | Brand: Smartwares

## 1. INTRODUCTION

This user manual provides essential information for the proper installation, operation, and maintenance of your Smartwares RM250/2 Smoke Detector. Please read this manual carefully before using the device and keep it for future reference. This smoke detector is designed to provide an early warning of fire by detecting smoke particles, helping to protect you and your family.

## 2. PRODUCT OVERVIEW

The Smartwares RM250/2 is a reliable smoke detector equipped with an optical sensor, designed for quick reaction to smoldering fires. It features a loud 85 dB alarm to alert occupants in case of smoke detection. The device includes a long-life battery and a test button for easy verification of functionality.



Figure 2.1: Two Smartwares RM250/2 Smoke Detectors, showing their compact, white design suitable for ceiling mounting.



Figure 2.2: Side profile of the smoke detector, highlighting its slim design.

### 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- Smartwares RM250/2 Smoke Detector (2 units)
- Lithium Metal Battery (2 units, included)
- Instruction Manual
- Mounting Hardware (screws and wall plugs)



Figure 3.1: All components included in the Smartwares RM250/2 package, showing the two detectors, batteries, and mounting hardware.

## 4. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in fire, electric shock, or other hazards.

- Smoke detectors have a maximum lifespan of 10 years after activation. Replace your detectors every 10 years to ensure optimal performance.
- Do not paint the smoke detector. Paint can block the sensor openings and prevent the detector from functioning properly.
- Do not use cleaning products on the smoke detector. Clean only as instructed in the Maintenance section.
- Ensure the battery is correctly inserted before mounting the detector. The safety mechanism prevents mounting without a battery.
- Test the smoke detector regularly as described in the Operating section.

## 5. SETUP AND INSTALLATION

Proper placement and installation are crucial for the effective operation of your smoke detector.

### 5.1 Choosing a Location

- Install at least one smoke detector on each floor of your home.
- Place detectors along escape routes, in hallways, and near staircases.
- Since smoke rises, always mount the smoke detector on the ceiling.
- Avoid placing detectors near ventilation systems, air conditioners, or in areas with high humidity (e.g., bathrooms, kitchens) to prevent false alarms.
- Keep detectors at least 1 meter (3 feet) away from light fixtures or decorative objects.

## 5.2 Mounting the Detector

1. Remove the mounting plate from the smoke detector by twisting it counter-clockwise.
2. Mark the drilling points on the ceiling using the mounting plate as a template.
3. Drill holes at the marked points and insert the wall plugs.
4. Secure the mounting plate to the ceiling using the provided screws.
5. Insert the included lithium metal battery into the smoke detector, ensuring correct polarity. The detector will emit a short beep to indicate it's powered on.
6. Attach the smoke detector to the mounted plate by aligning the detector with the plate and twisting it clockwise until it clicks into place. The safety mechanism ensures the detector can only be mounted with the battery inserted.
7. Perform an initial test as described in the "Operating" section to confirm proper installation.



Figure 5.1: Smoke detector installed on a ceiling, demonstrating its intended placement for optimal smoke detection.

## 6. OPERATING THE SMOKE DETECTOR

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### 6.1 Normal Operation

Once installed with a functional battery, the smoke detector is continuously monitoring for smoke. It will emit a loud 85 dB alarm if smoke is detected.

### 6.2 Testing the Detector

It is crucial to test your smoke detector regularly to ensure it is functioning correctly. Test the detector at least once a month.

1. Press and hold the test button located on the center of the smoke detector.
2. The alarm will sound loudly (85 dB) for a few seconds. This indicates that the alarm and battery are working.
3. Release the button. The alarm will stop.



Figure 6.1: A hand pressing the central test button on the smoke detector to verify its functionality.

### 6.3 Low Battery Indication

The smoke detector will emit a short beep at regular intervals (approximately every 30-60 seconds) when the battery is low and needs to be replaced. Replace the battery immediately upon hearing this signal.

### 6.4 Silent Mode (Hush Function)

If a false alarm occurs (e.g., from cooking fumes), you can temporarily silence the alarm by pressing the test/hush button. The alarm will be silenced for approximately 10 minutes, after which it will reset to normal operation. If smoke is still present, the alarm will sound again.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and reliability of your smoke detector.

### 7.1 Cleaning

Dust and dirt can affect the detector's performance. Follow these cleaning guidelines:

- **Monthly:** Gently wipe the exterior of the smoke detector with a slightly damp cloth.
- **Bi-annually:** Carefully vacuum the vents and openings of the smoke detector using a soft brush attachment to remove accumulated dust.
- **Important:** Never use cleaning agents, solvents, or paint on the smoke detector.

## 7.2 Battery Replacement

The included battery has a lifespan of approximately 5 years. Replace the battery immediately when the low battery warning sounds.

1. Twist the smoke detector counter-clockwise to remove it from its mounting plate.
2. Remove the old battery and dispose of it according to local regulations.
3. Insert a new lithium metal battery (CR123A or equivalent) ensuring correct polarity.
4. Reattach the smoke detector to the mounting plate by twisting it clockwise until it clicks.
5. Test the detector immediately after replacing the battery.

## 8. TROUBLESHOOTING

If you experience issues with your smoke detector, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Detector does not sound during test.	Dead or low battery; incorrect battery installation; faulty unit.	Replace battery; check battery polarity; if problem persists, replace unit.
Detector chirps periodically.	Low battery.	Replace battery immediately.
False alarms occur frequently.	Detector placed too close to kitchen/bathroom; dust accumulation; high humidity.	Relocate detector; clean detector as per maintenance section; use hush function for temporary silencing.
Detector cannot be mounted.	Battery not inserted.	Insert battery. The safety mechanism prevents mounting without a battery.

## 9. SPECIFICATIONS

Model Number	FSM-11512
Brand	Smartwares
Power Source Type	Battery Powered
Battery Type	2 x Lithium Metal (included)
Battery Lifespan	Approx. 5 years
Sensor Type	Optical
Alarm Loudness	85 dB

Product Dimensions (L x W x H)	11.5 x 8 x 18.7 cm (4.5 x 3.1 x 7.4 inches)
Diameter	95 mm (3.7 inches)
Material	ABS
Color	White
Installation Method	Surface Mounted
Country of Origin	China
International Article Number (EAN)	08711658430768

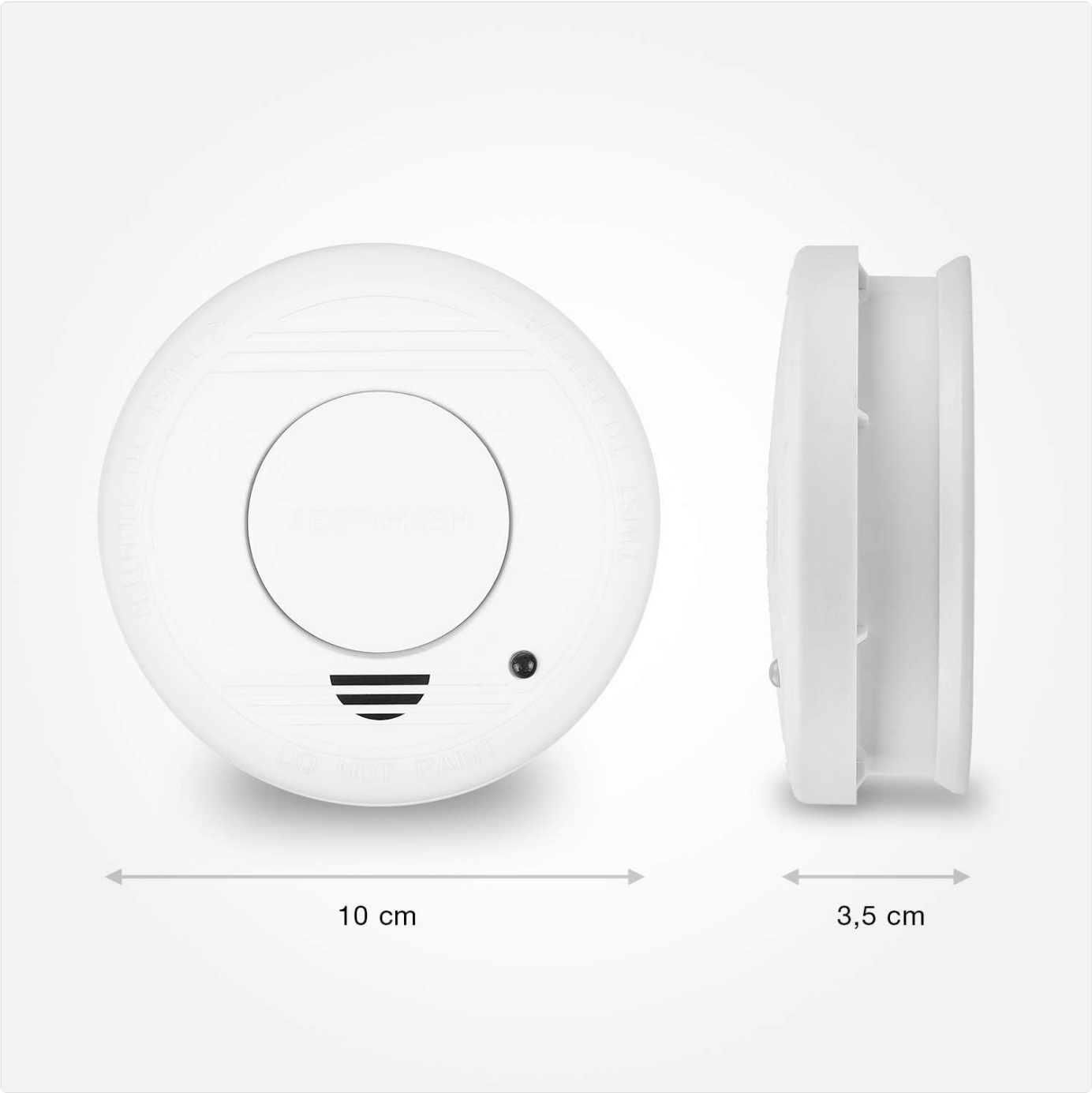


Figure 9.1: Diagram showing the dimensions of the smoke detector: 10 cm diameter and 3.5 cm height.



## 10. WARRANTY AND SUPPORT

### 10.1 Manufacturer Warranty

The Smartwares RM250/2 Smoke Detector comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

### 10.2 Spare Parts Availability

Spare parts for this product are available for **1 year** from the date of purchase.

### 10.3 Customer Support

For further assistance, technical support, or warranty inquiries, please contact Smartwares customer service. Refer to the contact information provided on the product packaging or the official Smartwares website.

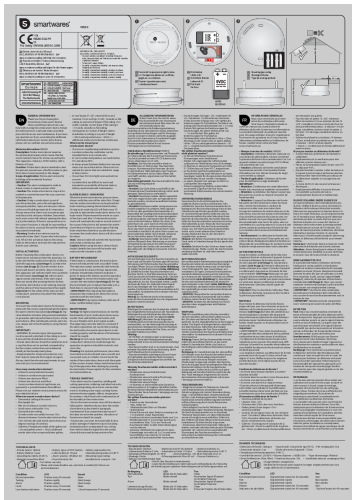


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This manual is for informational purposes only. Smartwares reserves the right to make changes to the product without prior notice.

### Related Documents

	<p><a href="#">Smartwares FSM-027W Smoke Alarm Device - User Manual</a></p> <p>Comprehensive user manual for the Smartwares FSM-027W smoke alarm device, covering installation, operation, maintenance, and troubleshooting. Features optical sensor, 10-year battery life, and hush mode.</p>
	<p><a href="#">Smartwares FSM-123 Smoke Alarm: User Manual, Installation &amp; Safety Guide</a></p> <p>Comprehensive guide for the Smartwares FSM-123 smoke alarm. Learn about installation, activation, optimal placement, maintenance, troubleshooting, and technical specifications. Features 10-year battery life and optical sensing for reliable fire detection.</p>
	<p><a href="#">Smartwares RM250 Smoke Alarm - User Manual and Installation Guide</a></p> <p>Comprehensive instructions for the Smartwares RM250 smoke alarm, covering installation, operation, maintenance, and troubleshooting. Learn how to ensure fire safety in your home with this photoelectric smoke detector.</p>
	<p><a href="#">Smartwares FSM-127 Smoke Alarm Device: User Manual and Technical Specifications</a></p> <p>This document provides comprehensive instructions for the Smartwares FSM-127 smoke alarm device. It covers general information, activation, mounting, operation, maintenance, troubleshooting, and technical specifications. Designed for fire safety in residential buildings, it features a 10-year non-replaceable battery and an optical sensor.</p>



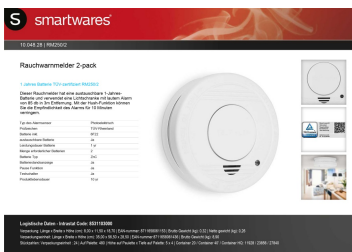
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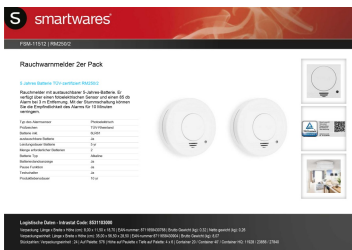


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FSM-11512 **RM250/2** Rauchwarnmelder 2er Pack 5 Jahres Batterie TV-zertifiziert **RM250/2** Rauchmelder mit austauschbarer 5-Jahres-Batterie. Er verfügt ber einen fotoelektrischen Sensor und einen 85 db Alarm bei 3 m Entfernung. Mit der Stummschaltung knnen Sie die Empfindlichkeit des Alarms fr 10 Minut...

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