

Smartwares FSM-16404

Smartwares FSM-16404 Mini Smoke Detector User Manual

Model: FSM-16404

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Smartwares FSM-16404 Mini Smoke Detector. This device is designed to detect smoke and alert occupants to potential fire hazards, contributing to home safety, especially in children's rooms due to its compact size and design.

2. IMPORTANT SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Do not paint the smoke detector. Paint can clog the sensing chamber and prevent the alarm from functioning correctly.
- Do not install in areas with high humidity, excessive dust, or extreme temperatures.
- Test the smoke detector weekly to ensure proper operation.
- This smoke detector is designed for residential use.
- In case of an alarm, evacuate the premises immediately and call emergency services.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Smartwares FSM-16404 Mini Smoke Detector
- Mounting plate
- Screws and wall plugs
- User Manual (this document)

4. PRODUCT OVERVIEW

The Smartwares FSM-16404 is a compact smoke detector featuring a 10-year sealed battery. Its small size (75 x 35 mm) makes it discreet, and the design is suitable for various room aesthetics, including children's rooms. It is VDS and Q-certified, ensuring high quality and reliability.



Figure 4.1: Front view of the Smartwares FSM-16404 Mini Smoke Detector, showing the decorative cover and alarm grille.



Figure 4.2: Example installation of the Smartwares FSM-16404 Mini Smoke Detector on a ceiling in a child's room, demonstrating its compact and discreet design.

5. INSTALLATION AND SETUP

5.1 Choosing a Location

Install smoke detectors in all sleeping areas and on every level of your home, including the basement. For optimal protection, place a detector in each bedroom. Avoid installing near windows, doors, or air vents where drafts might interfere with smoke detection. Keep at least 10 cm distance from walls and corners if mounting on the ceiling.

5.2 Mounting the Detector

1. Select a suitable mounting location on the ceiling.
2. Use the mounting plate as a template to mark the drill holes.
3. Drill two holes and insert the wall plugs.
4. Attach the mounting plate to the ceiling using the provided screws.
5. Align the smoke detector with the mounting plate and twist clockwise until it clicks into place. This action will activate the sealed battery.

6. Perform an initial test as described in Section 6.1.



Figure 5.1: The Smartwares FSM-16404 Mini Smoke Detector detached from its mounting plate, illustrating the components for installation.

6. OPERATING INSTRUCTIONS

6.1 Testing the Smoke Detector

Test the smoke detector weekly to ensure it is functioning correctly. Press and hold the test button (usually located on the front or side of the unit) for a few seconds. The alarm should sound loudly. If the alarm does not sound, refer to the Troubleshooting section.

6.2 Alarm Indication

When smoke is detected, the alarm will emit a loud, pulsating sound. A red LED indicator may also flash. In case of an alarm, follow your family's emergency escape plan and evacuate the building immediately.

6.3 Silence Function (Hush Mode)

If the alarm sounds due to non-emergency conditions (e.g., cooking fumes), you can temporarily silence it by pressing the test/hush button. The alarm will silence for approximately 10 minutes before resetting. If smoke is still present after the silence period, the alarm will sound again.

7. MAINTENANCE

7.1 Cleaning

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 damp cloth. Do not use cleaning sprays or solvents.

7.2 Battery

The Smartwares FSM-16404 features a sealed 10-year battery. This battery is not replaceable. When the battery is low, the detector will emit a short "chirp" sound approximately once every 30-60 seconds for at least 7 days. This indicates that the unit needs to be replaced. Do not attempt to replace the battery yourself.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm does not sound during test.	Unit not activated, faulty unit, or battery depleted.	Ensure the unit is correctly twisted onto the mounting plate to activate the battery. If still no alarm, the unit may be faulty and needs replacement.
Detector chirps periodically.	Low battery warning.	The sealed 10-year battery is nearing the end of its life. Replace the entire smoke detector unit.
False alarms occur frequently.	Dust accumulation, high humidity, cooking fumes, or improper placement.	Clean the detector (see Section 7.1). Relocate the detector away from kitchens, bathrooms, or areas with high airflow. Use the silence function for temporary non-emergency alarms.

9. SPECIFICATIONS

Feature	Detail
Model	FSM-16404
Brand	Smartwares
Alarm Type	Audible
Battery Life	10 years (sealed battery)
Dimensions	Approximately 75 x 35 mm
Certifications	VDS, Q-certified
ASIN	B07B49XNHV

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Smartwares customer service. Keep your proof of purchase for warranty claims.