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› X-Sense Mini Smoke Alarm Detector XS03 User Manual

X-Sense XS03

X-Sense Mini Smoke Alarm Detector User Manual

Model: XS03 | Brand: X-Sense

1. INTRODUCTION

Thank you for choosing the X-Sense Mini Smoke Alarm Detector. This device is designed to provide reliable and early warning of smoke and fire, helping to protect your home and family. Featuring a 10-year fixed battery, an advanced photoelectric sensor for accurate detection, and a compact design, the XS03 offers continuous, hassle-free protection. This manual will guide you through the installation, operation, and maintenance of your smoke alarm.



Image 1.1: X-Sense Mini Smoke Alarm Detector (Model XS03)

2. SAFETY INFORMATION

Please read and understand all instructions before installing and operating your smoke alarm. Failure to follow these instructions may result in property damage, injury, or death.

- Do not paint the alarm. Paint may clog the openings and interfere with the sensor's ability to detect smoke.
- Do not attempt to repair this unit. There are no user-serviceable parts inside.
- Test the smoke alarm weekly to ensure proper operation.
- Never ignore any alarm. Investigate the cause immediately.
- Keep the alarm clean and free from dust.
- This alarm is designed for indoor use only.

3. PRODUCT OVERVIEW

3.1 Components

The X-Sense Mini Smoke Alarm Detector package includes the following components:

- 1 Alarm Unit
- 1 Mounting Bracket
- 2 Screws
- 2 Anchor Plugs
- 1 User Manual

Innovative Design

With an advanced photoelectric sensor and intelligent chipset, this specially designed miniaturized alarm allows for faster, more accurate detection of smoldering fires, giving you the earliest possible warning of danger.



Image 3.1: Exploded View of Alarm Components

3.2 Key Features

- **10-Year Battery:** Provides long-lasting, uninterrupted protection without battery replacement.
- **Photoelectric Sensor:** Detects smoldering fires quickly and accurately.
- **Compact Design:** Small and discreet, blending seamlessly into your home decor.
- **Silence Button:** Temporarily silences nuisance alarms.
- **LED Indicator:** Provides visual status of the alarm.
- **Durable Material:** Housed in upgraded premium ABS material, durable and flame retardant.

4. SETUP AND INSTALLATION

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

4.1 Recommended Placement

- Install smoke alarms on every level of your home, including basements and attics.
- Place alarms inside and outside of sleeping areas.
- Mount on the ceiling or high on a wall (at least 10 cm from the ceiling).
- Keep alarms away from windows, doors, and vents that could interfere with smoke detection.
- Avoid placing alarms in kitchens, bathrooms, or garages where steam, cooking fumes, or exhaust could cause false alarms.

4.2 Installation Steps

The smoke alarm offers flexible installation options:

1. **Choose a Location:** Select a suitable location on the ceiling or wall, away from obstructions.

2. **Prepare Mounting Bracket:** Use the mounting bracket as a template to mark the screw holes on the ceiling or wall.
3. **Drill Holes:** Drill two holes at the marked positions. Insert the anchor plugs if installing into drywall or plaster.
4. **Attach Bracket:** Secure the mounting bracket to the ceiling or wall using the provided screws.
5. **Mount Alarm:** Align the alarm unit with the mounting bracket and twist clockwise until it clicks into place.
6. **Alternative Installation (Adhesive):** For smooth, clean surfaces, you may use 2-inch-diameter adhesive tapes or magnetic adhesive pads (not included) for installation. Ensure the surface is clean and dry before applying.



Image 4.1: Flexible Installation Options

5. OPERATION

5.1 Initial Activation

The alarm unit is activated automatically once it is twisted onto the mounting bracket. The LED indicator will flash, and the alarm will emit a short beep to confirm activation.

5.2 Testing the Alarm

It is recommended to test your smoke alarm weekly to ensure it is functioning correctly.

- Press and hold the Test/Silence button on the alarm.
- The alarm will sound a loud, pulsating siren (85 dB) and the LED indicator will flash rapidly.
- Release the button. The alarm should stop.
- If the alarm does not sound during the test, refer to the Troubleshooting section.



Image 5.1: Self-Check Function (Test Button)



Image 5.2: Alarm Sound (85 dB Buzzer)

5.3 Alarm Indication

- **Smoke Alarm:** When smoke is detected, the alarm will emit a loud, continuous siren and the LED indicator will flash rapidly.
- **Silence Mode:** Press the Test/Silence button during an alarm to temporarily silence it for approximately 9 minutes. The LED will continue to flash every 5 seconds to indicate it is in silence mode. The alarm will reactivate if smoke levels remain high or increase.

6. MAINTENANCE

Regular maintenance ensures your smoke alarm remains in optimal working condition.

6.1 Cleaning Your Alarm

Clean your smoke alarm at least once a month to remove dust and debris.

- Gently vacuum the alarm's cover and vents using a soft brush attachment.
- Do not use cleaning solvents or sprays directly on the alarm.

6.2 Battery Life

The X-Sense XS03 smoke alarm is equipped with a 10-year fixed lithium battery. This battery is designed to last the entire lifespan of the alarm, eliminating the need for battery replacement.

6.3 End-of-Life Indication

After approximately 10 years of operation, the alarm will indicate its end-of-life by chirping once every 60 seconds. This signifies that the unit needs to be replaced. Replace the alarm immediately upon this indication.



Image 6.1: Low Battery Warning / End-of-Life Indication

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm does not sound during test.	Unit not activated or faulty.	Ensure the alarm is properly twisted onto the mounting bracket. If still no sound, the unit may be faulty and needs replacement.
False alarms.	Dust, steam, cooking fumes, high humidity, or insects.	Clean the alarm. Relocate the alarm away from sources of steam or fumes. Ensure proper ventilation.
Alarm chirps once every 60 seconds.	End-of-life warning.	The alarm has reached the end of its 10-year lifespan. Replace the unit immediately.
LED indicator not flashing.	Unit not activated or faulty.	Ensure the alarm is properly twisted onto the mounting bracket. If still no light, the unit may be faulty and needs replacement.

8. SPECIFICATIONS

Specification	Detail
Model Number	XS03
Sensor Type	Photoelectric
Power Source	Battery Powered (10-year fixed Lithium Metal battery)
Alarm Volume	85 dB at 3 meters (10 ft)
Product Dimensions	7.8 x 7.8 x 4.8 cm
Item Weight	120 g
Operating Temperature	Not specified (typical for residential smoke alarms)
Operating Humidity	Not specified (typical for residential smoke alarms)

Specification	Detail
Standard Compliance	EN 14604

9. WARRANTY AND SUPPORT

The X-Sense Mini Smoke Alarm Detector is designed for long-term reliability, backed by its 10-year fixed battery. For any questions, concerns, or technical assistance, please contact X-Sense customer service. We aim to provide a response time of under 24 hours to address your inquiries.

Please refer to the official X-Sense website or your purchase documentation for detailed warranty information and contact methods.

