X-Sense SD19

X-Sense SD2J0AX (Model SD19) 10-Year Battery Smoke Detector User Manual

Model: SD19

Figure 1: X-Sense SD2J0AX Smoke Detector. This image displays the front view of the white, circular smoke detector with the X-Sense logo, LED indicator, and test/silence button.

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your X-Sense SD2J0AX (Model SD19) 10-Year Battery Smoke Detector. Please read it thoroughly before use and retain it for future reference. This device is designed to detect smoke and alert occupants to potential fire hazards, contributing to your home's safety.

The X-Sense SD2J0AX features a high-performance photoelectric sensor for accurate smoke detection, a 10-year sealed lithium battery for long-term protection, and a convenient silence button. It is certified to EN 14604 standards, ensuring reliability and safety.

IMPORTANT SAFETY INFORMATION

- **Do not paint the smoke detector.** Paint can clog the sensing chamber and prevent the alarm from operating correctly.

- This smoke detector is designed for residential use. It is not intended for use in non-residential buildings or for specific commercial applications.

- Regularly test the smoke detector as instructed in this manual to ensure proper functionality.

- Never ignore a smoke alarm. Investigate the cause immediately and take appropriate action.

- Ensure all household members know the sound of the smoke alarm and how to respond in an emergency.

- Do not install the smoke detector in areas with high humidity, extreme temperatures, or excessive dust, as these conditions can affect performance.

PRODUCT OVERVIEW

Components Included

The package contains the following items:

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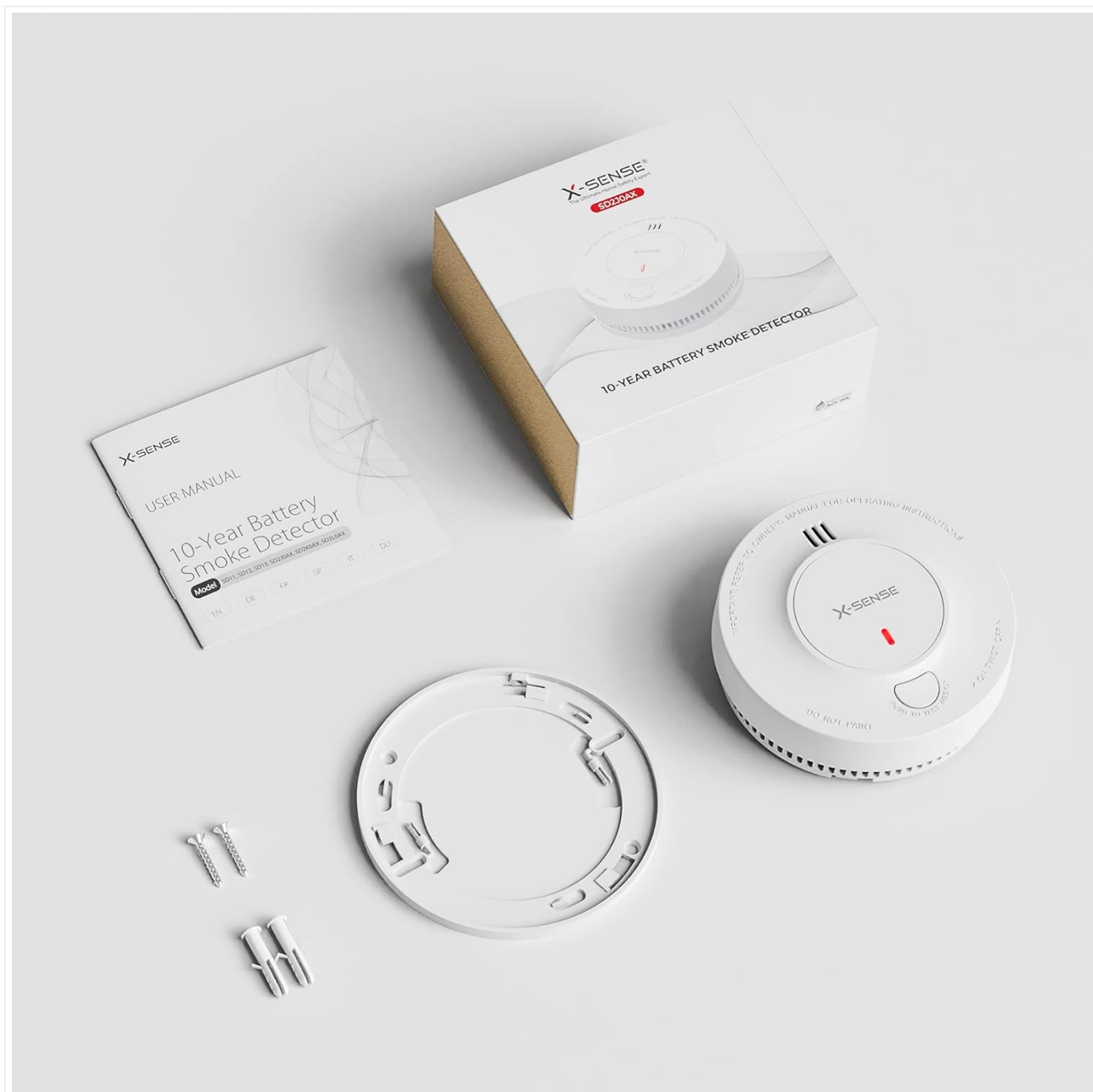- 2 x Anchor Plugs
- 1 x User Manual

Figure 2: Product packaging and included components. This image shows the X-Sense SD2J0AX smoke detector, its mounting bracket, screws, anchor plugs, and the user manual, all neatly arranged next to the product box.

Detector Features

- **10-Year Battery Life:** Equipped with a sealed lithium battery for continuous protection without battery replacement for up to 10 years.
- **Photoelectric Sensor:** Advanced sensor technology provides faster response to slow-burning fires and reduces false alarms.
- **Silence Button:** Temporarily silences nuisance alarms for approximately 9 minutes.
- **LED Indicator:** Provides visual status updates (normal operation, alarm, fault, silence mode).
- **85 dB Alarm:** Loud audible alarm to alert occupants.
- **Self-Inspection:** Automatic monitoring of internal components and battery status.
- **Anti-Mosquito Design:** Internal structure designed to prevent insect interference with the sensor.
- **Certification:** Certified to EN 14604, TÜV, and CE standards.

Figure 3: Key components of the smoke detector. This image highlights the Buzzer, LED Indicator, Test/Silence Button, and Air Vents on the X-Sense SD2J0AX smoke detector.

SETUP AND INSTALLATION

Choosing a Location

Install smoke detectors in every sleeping area and on every level of your home, including the basement. For optimal protection, place detectors in hallways and large rooms. Avoid placing detectors near windows, doors, or air vents where drafts might interfere with smoke detection. Keep detectors at least 10 cm (4 inches) away from walls and corners when mounting on a ceiling.

Figure 4: Optimal placement for 360-degree smoke detection. This image illustrates the smoke detector mounted on a ceiling, demonstrating its ability to monitor smoke from all directions within a room.

Mounting the Detector

The X-Sense SD2J0AX can be installed using the provided screws or optional magnetic adhesive pads (sold separately).

1. **Screw Installation:**
   - Mark two drill holes on the ceiling or wall using the mounting bracket as a template.
   - Drill holes and insert the anchor plugs.
   - Attach the mounting bracket using the provided screws.
   - Align the detector with the mounting bracket and twist clockwise until it locks into place.

2. **Magnetic Adhesive Pad Installation (Optional):**
   - Ensure the mounting surface is clean, dry, and smooth.
   - Attach the magnetic adhesive pad (Ø70 mm, not included) to the back of the mounting bracket.
   - Press the bracket firmly onto the desired location on the ceiling or wall.
   - Align the detector with the mounting bracket and twist clockwise until it locks into place.

Easy to Install in Just Minutes

Secure installation with the provided screws

or

Quick installation with Ø 70 mm magnetic adhesive pads (sold separately)
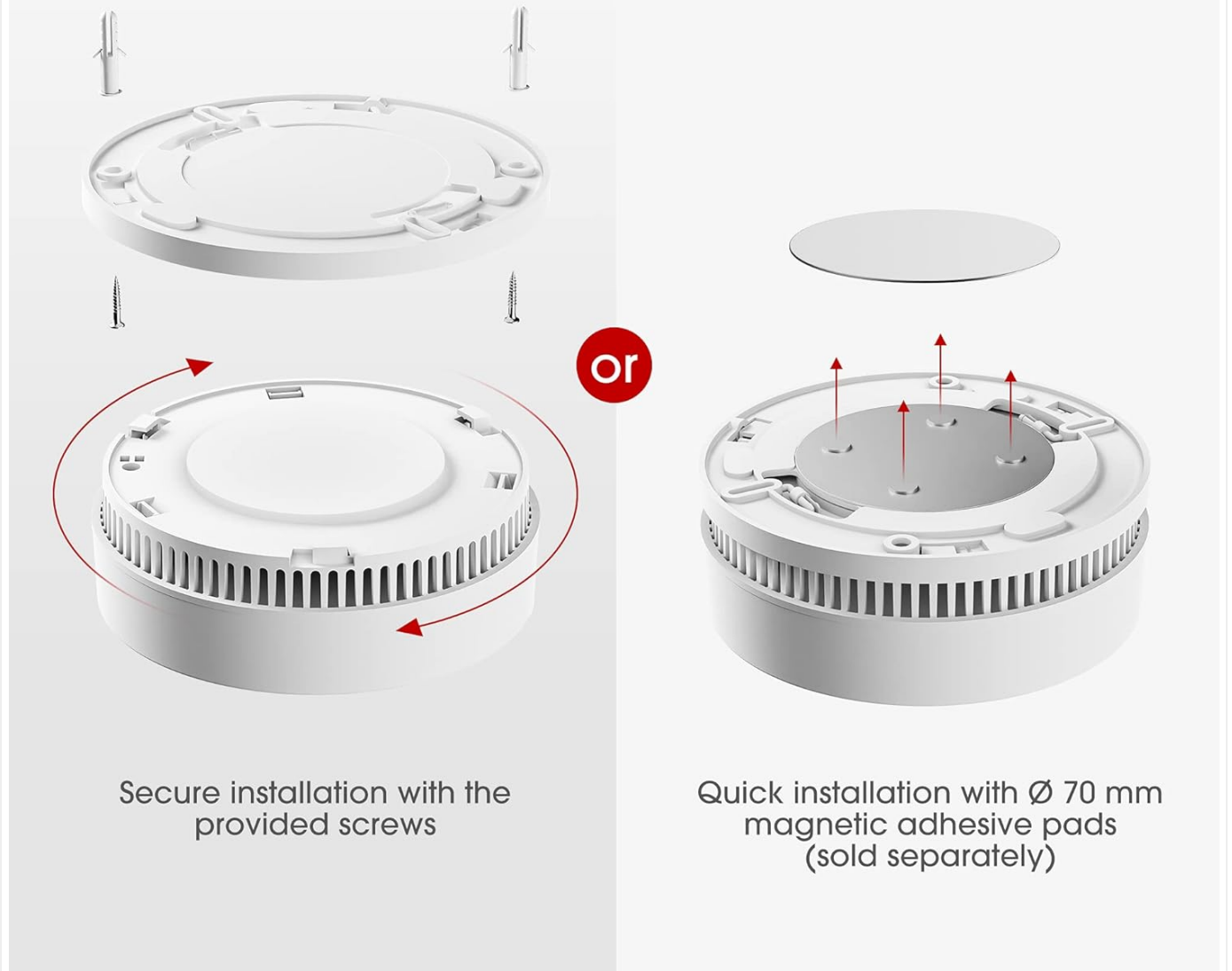
Figure 5: Installation methods. This image illustrates both screw-based secure installation and quick installation using magnetic adhesive pads (sold separately).

Figure 6: Detailed installation diagram. This image provides a closer look at the steps for both screw and magnetic adhesive pad

OPERATING INSTRUCTIONS

Initial Power-On

Once the detector is twisted onto the mounting bracket, it will automatically power on. The LED indicator will flash, and the unit will emit a short beep to confirm activation.

Testing the Detector

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

- Press and hold the Test/Silence button located on the front of the detector.
- The alarm will sound a loud, pulsating tone, 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.

Silence Mode

If a nuisance alarm occurs (e.g., from cooking smoke), you can temporarily silence the alarm:

- Press the Test/Silence button once.
- The alarm will silence for approximately 9 minutes. The LED indicator will flash every 5 seconds to indicate it is in silence mode.
- After 9 minutes, if smoke is still present, the alarm will reactivate.
- Do not use the silence feature in a real fire emergency. Evacuate immediately.

Figure 7: Using the convenient silence button. This image shows a finger pressing the central button on the smoke detector to activate the silence feature, indicated by a '9 min' icon.

MAINTENANCE

Regular Cleaning

Dust and debris can accumulate on the smoke detector and affect its performance. Clean your detector at least once a month:

- Gently vacuum the exterior of the detector using a soft brush attachment.
- Wipe the surface with a clean, damp cloth. Do not use cleaning agents or solvents.
- Ensure the air vents are clear of obstructions.

Figure 8: Anti-mosquito design. This image shows the internal mesh with 1mm diameter holes, designed to prevent insects from entering the sensing chamber and causing false alarms or malfunctions.

Battery Life and Replacement

The X-Sense SD2J0AX is equipped with a sealed 10-year lithium battery. This battery is not replaceable by the user. When the battery is nearing the end of its life (approximately 10 years after activation), the detector will emit a low battery warning (a chirp every 60 seconds and a flashing LED). At this point, the entire unit must be replaced.

Figure 9: Low battery warning. This image shows the smoke detector mounted on a ceiling, with a visual indicator for a low battery status, prompting replacement of the unit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm sounds intermittently or for no apparent reason.	Dust or debris in the sensing chamber. High humidity or steam (e.g., from a bathroom). Cooking fumes or smoke from burning food. Insect interference.	Clean the detector as described in the Maintenance section. Relocate the detector away from sources of steam or cooking fumes. Use the silence feature for nuisance alarms.

Problem	Possible Cause	Solution
Detector chirps every 60 seconds.	Low battery warning.	The battery is sealed and not replaceable. Replace the entire smoke detector unit immediately.
Detector does not sound during test.	Detector not properly activated. Faulty unit.	Ensure the detector is twisted securely onto the mounting bracket. If the issue persists, the unit may be faulty and requires replacement.
LED indicator is not flashing.	Detector not powered on. Faulty LED or unit.	Ensure the detector is properly installed and activated. Test the detector. If it still doesn't flash, the unit may be faulty and requires replacement.

SPECIFICATIONS

Feature	Detail
Model Number	SD19
Power Source	10-Year Sealed Lithium Battery (CR123A, included)
Sensor Type	Photoelectric
Alarm Sound Level	85 Decibels at 3 meters (10 feet)
Coverage Area	20-40 m²
Operating Voltage	3 Volts
Dimensions (L x W x H)	12.2 x 12.2 x 4.5 cm (4.8 x 4.8 x 1.8 inches)
Weight	178 Grams (6.3 ounces)
Material	ABS
Color	White
Installation Method	Screw-mounted (optional magnetic adhesive pads)
Certifications	EN14604, TÜV, CE Certified
UPC	741376054616

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official X-Sense website. Keep your purchase receipt as proof of purchase for warranty claims.
If you encounter any issues not covered in this manual, please contact X-Sense customer service for assistance.

Related Documents - SD19

	[X-Sense 10-Year Battery Smoke Detector User Manual](#) User manual for the X-Sense 10-Year Battery Smoke Detector (Models SD11, SD12, SD13, SD2J0AX, SD2K0AX, SD2L0AX), covering installation, operation, maintenance, troubleshooting, and safety tips. Conforms to EN 14604:2005+AC:2008.
	[X-Sense 10-Year Battery Smoke Detector User Manual](#) User manual for the X-Sense 10-Year Battery Smoke Detector (Models SD11, SD12, SD13, SD2J0AX, SD2K0AX, SD2L0AX). Provides installation, operation, safety, maintenance, and troubleshooting information.
	[X-Sense Smoke Alarm User Manual: SD11, SD2J0AX](#) Comprehensive user manual for X-Sense smoke alarms, models SD11 and SD2J0AX. Learn about installation, safety features, technical specifications, and maintenance for reliable smoke detection.
	[X-Sense 10-Year Battery Smoke Detector User Manual](#) Comprehensive user manual for the X-Sense 10-Year Battery Smoke Detector (Models SD11, SD12, SD13, SD2J0AX, SD2K0AX, SD2L0AX). Covers installation, operation, safety precautions, testing, maintenance, and troubleshooting for this EN 14604 compliant device.
	[X-Sense Wireless Interlinked Smoke Alarm User Manual (SD19-W/SD20-W)](#) Comprehensive user manual for X-Sense SD19-W and SD20-W wireless interlinked smoke alarms. Covers setup, interconnection, testing, installation, maintenance, troubleshooting, and safety information.
	[X-SENSE Link+ Pro Smoke Alarm & Base Station User Manual](#) User manual for the X-SENSE Link+ Pro smoke alarm system, featuring the XP02S-MR smoke alarm and SBS50 base station. Learn about photoelectric detection, wireless interconnection, app integration, installation, and safety.