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## X-Sense SD2L0AX

# X-Sense Smoke Detector SD2L0AX User Manual

Model: SD2L0AX | Brand: X-Sense

## 1. INTRODUCTION

The X-Sense SD2L0AX is a standalone photoelectric smoke detector designed to provide early warning of smoke and fire. Equipped with a sealed 10-year lithium battery, it offers continuous protection without the need for battery replacement throughout its lifespan. Its advanced photoelectric sensor ensures accurate and responsive detection of slow-burning, smoldering fires, providing the earliest possible warning.



Front view of the X-Sense SD2L0AX smoke detector, a compact white circular device with a central test/silence button and X-Sense branding.

## 2. IMPORTANT SAFETY INFORMATION

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

- **Placement:** Install smoke detectors on every level of your home, including basements, and inside every sleeping area.
- **Testing:** Test your smoke detector weekly to ensure proper operation.
- **Alarm Response:** Never ignore a smoke alarm. A sounding alarm indicates the presence of smoke, which could be a sign of fire.
- **Maintenance:** Keep the smoke detector clean and free from dust. Do not paint the unit.
- **End of Life:** Replace the device within 10 years of the installation date.

### 3. PRODUCT OVERVIEW

The X-Sense SD2L0AX smoke detector features a compact design with clearly identifiable components for ease of use and maintenance.



Detailed diagram labeling the key components of the X-Sense SD2L0AX smoke detector: Test/Silence Button, LED Indicator, Buzzer, and Air Vents.

#### Key Features:

- **10-Year Sealed Lithium Battery:** Provides continuous power for the device's entire lifespan, eliminating the need for battery changes.

# 10-Year Built-In Battery Without Replacement



10-Year



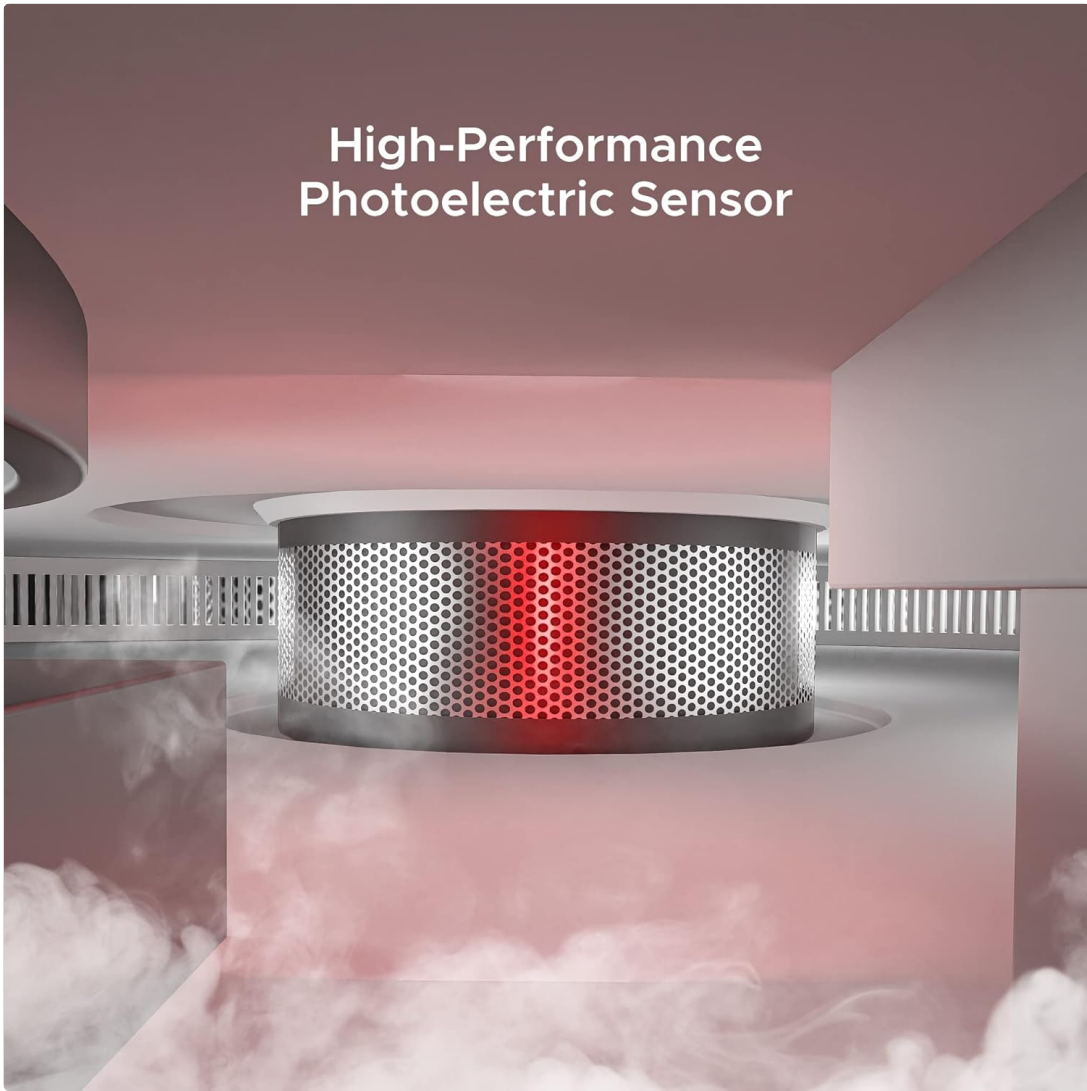
Lithium Battery 10-Year Lifespan



The X-Sense SD2L0AX smoke detector shown next to icons indicating its 10-year lithium battery and 10-year lifespan, highlighting its long-term, maintenance-free operation. The device measures 4.8 inches (12.2 cm) in diameter.

- **Advanced Photoelectric Sensor:** Detects dangerous smoke levels from slow-burning, smoldering fires quickly and accurately.

## High-Performance Photoelectric Sensor



An internal view illustrating the high-performance photoelectric sensor within the smoke detector, designed for accurate and responsive smoke detection.

- **Test/Silence Button:** Allows for easy testing of the alarm's functionality and temporary silencing of nuisance alarms.
- **LED Indicator:** Provides visual status updates (e.g., normal operation, alarm, fault).
- **Buzzer:** Emits a loud alarm sound upon smoke detection.
- **Air Vents:** Designed for optimal smoke entry to the sensor.

## 4. SETUP AND INSTALLATION

The X-Sense SD2L0AX smoke detector is designed for quick and easy installation. It can be mounted using the included screws and anchor plugs or an optional magnetic adhesive pad (sold separately).

### Installation Steps:

1. Separate the mounting bracket from the alarm unit by twisting.
2. Choose a suitable installation location (refer to recommended locations below).
3. Mark the screw holes on the ceiling or wall using the mounting bracket as a template.

4. Drill holes and insert the anchor plugs if installing into drywall.
5. Secure the mounting bracket with the provided screws.
6. Align the alarm unit with the mounting bracket and twist clockwise until it clicks into place. The device will automatically power on once properly mounted.

## Easy to Install in Just Minutes

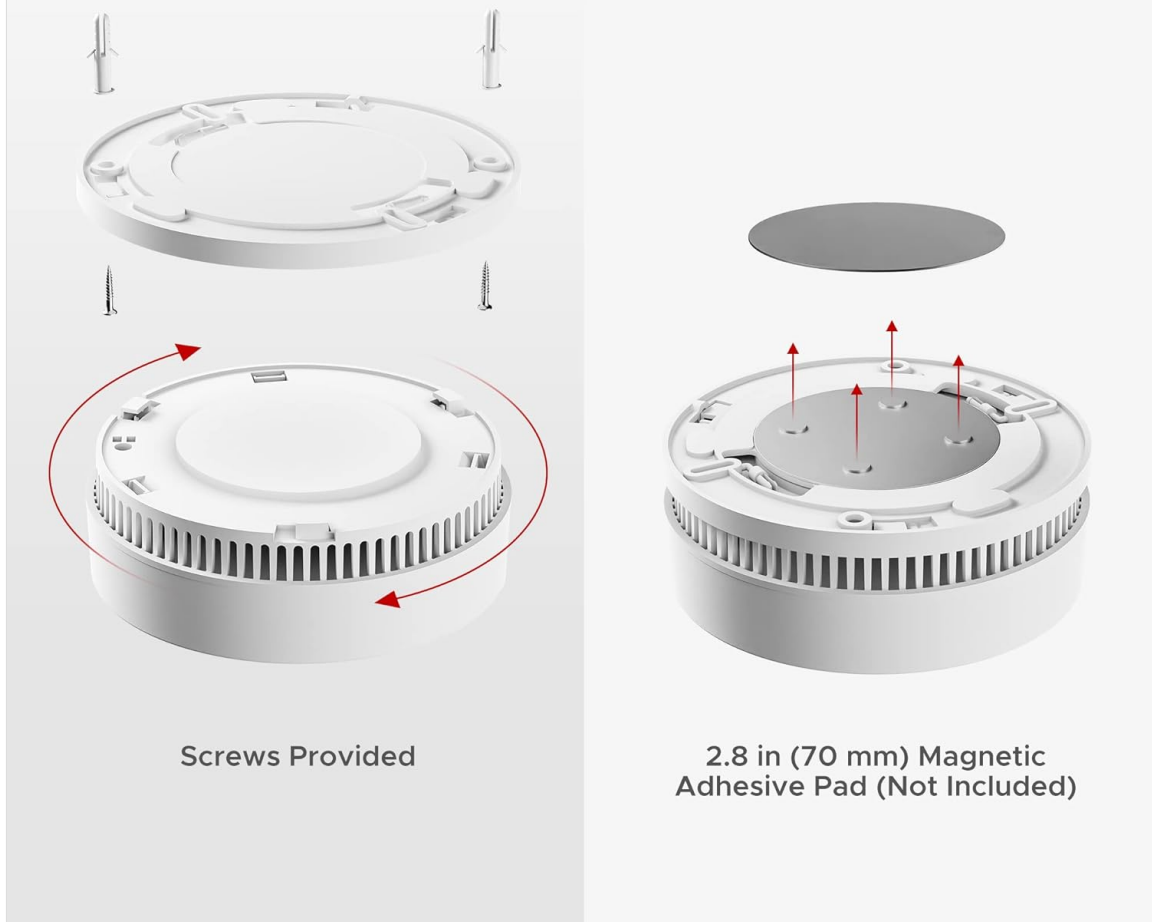


Diagram showing two methods for easy installation: using included screws and anchor plugs, or an optional 2.8-inch (70 mm) magnetic adhesive pad (not included). The mounting bracket is shown separately.

### Recommended Installation Locations:

## Advanced Photoelectric Technology

Compared to ionization sensors, photoelectric sensors are more accurate and responsive to smoldering fires, and will not let any potential fire hazard escape your attention.



10-Year  
Battery Life



Self-Check  
Function



Sensitive and  
Accurate



Low Battery  
Warning



Insect-Proof  
Screen



Wire-Free Installation  
in Minutes

Diagrams illustrating recommended installation locations for the smoke detector on ceilings and walls, including minimum distances from corners and highest points for optimal smoke detection.

For visual guidance on installation and features, please watch the official product video:

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An official product video from X-Sense showcasing the features and benefits of the SD2L0AX smoke detector, including its 10-year battery life, photoelectric sensor, and ease of installation. This video provides a visual overview of the product's design and core functionalities.

## 5. OPERATING YOUR SMOKE DETECTOR

### Power-On:

The smoke detector automatically powers on when it is fully mounted onto its bracket. The LED indicator will flash briefly to confirm activation.

### Testing the Alarm:

It is crucial to test your smoke detector weekly to ensure it is functioning correctly. To test the alarm, simply press and hold the Test/Silence button on the front of the unit until the alarm sounds. The alarm will emit a loud, pulsating sound, and the LED indicator will flash rapidly.

Your browser does not support the video tag.

An instructional video from X-Sense US demonstrating how to properly test the smoke alarm using the test/silence button and by introducing smoke. It also highlights incorrect testing methods, such as using an open flame.

### Silence Feature:

If a nuisance alarm occurs due to cooking smoke or steam, you can temporarily silence the alarm by pressing the Test/Silence button. The alarm will enter a 9-minute silence mode, after which it will

automatically reset. If smoke is still present after the silence period, the alarm will sound again.



A hand pressing the silence button on the X-Sense SD2L0AX smoke detector, demonstrating the 9-minute mute mode feature for temporary silencing of nuisance alarms.

## 6. MAINTENANCE

### Cleaning:

Clean your smoke detector at least once a month to remove dust and debris. Use a soft, damp cloth to wipe the exterior. You may also use a vacuum cleaner with a soft brush attachment to clean around the air vents.

### Battery Replacement:

The X-Sense SD2L0AX smoke detector is equipped with a sealed 10-year lithium battery that does not require replacement. The battery is designed to last for the entire 10-year lifespan of the alarm.

### End of Life Indication:

After approximately 10 years of operation, the smoke detector will indicate its end of life by chirping periodically. When this occurs, it is time to replace the entire unit to ensure continued protection.

## 7. TROUBLESHOOTING

Issue	Possible Cause	Solution
Alarm sounds without apparent smoke.	Nuisance alarm (steam, cooking smoke, high humidity, dust).	Press the Test/Silence button to silence. Ventilate the area. Clean the detector.
Alarm does not sound when Test/Silence button is pressed.	Device not properly mounted or activated. Device has reached end of life.	Ensure the device is twisted securely onto the mounting bracket. If still no response, replace the unit.
Alarm chirps periodically.	Device has reached its end of life.	Replace the smoke detector immediately.

## 8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	X-Sense
Style	Standalone Model SD2L0AX
Power Source	Battery Powered
Color	White
Product Dimensions	4.8"D x 4.8"W x 1.8"H
Alarm	Audible
Sensor Type	Photoelectric
Material	ABS Material
Item Weight	0.634 ounces
Batteries	1 CR123A batteries required. (included)
Coverage	215-430 sq. ft
Included Components	1 × Smoke Alarm SD2L0AX with Sealed 10-Year Lithium Battery, 1 × User Manual, 2 × Screws and Anchor Plugs

## 9. WARRANTY AND SUPPORT

The X-Sense SD2L0AX smoke detector comes with a 60-day money-back guarantee, a 5-year quality warranty, and lifetime technical support.

For further assistance, technical support, or warranty claims, please refer to the contact information provided in your product packaging or visit the official X-Sense website.

You can also download the full user manual in PDF format [here](#).