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X-Sense SD20-W, SC07-W, RC01

X-Sense Wireless Interconnected Smoke and Carbon Monoxide Alarm System

User Manual for Models SD20-W, SC07-W, and RC01

INTRODUCTION

This user manual provides essential information for the installation, operation, and maintenance of your X-Sense Wireless Interconnected Smoke Alarm (SD20-W), Combination Smoke and Carbon Monoxide Detector (SC07-W), and Remote Controller (RC01) system. This bundle is designed to provide comprehensive home protection by ensuring that when one alarm is triggered, all interconnected alarms sound, alerting you to potential dangers throughout your home.

PACKAGE CONTENTS

Please verify that all components are present and in good condition upon opening the package:

- 6 x X-Sense SC07-W Wireless Interconnected Combination Smoke and Carbon Monoxide Alarms
- 3 x X-Sense SD20-W Wireless Interconnected Smoke Alarms
- 1 x X-Sense RC01 Remote Controller
- Mounting brackets, screws, and anchor plugs for each alarm
- User Manual (this document)

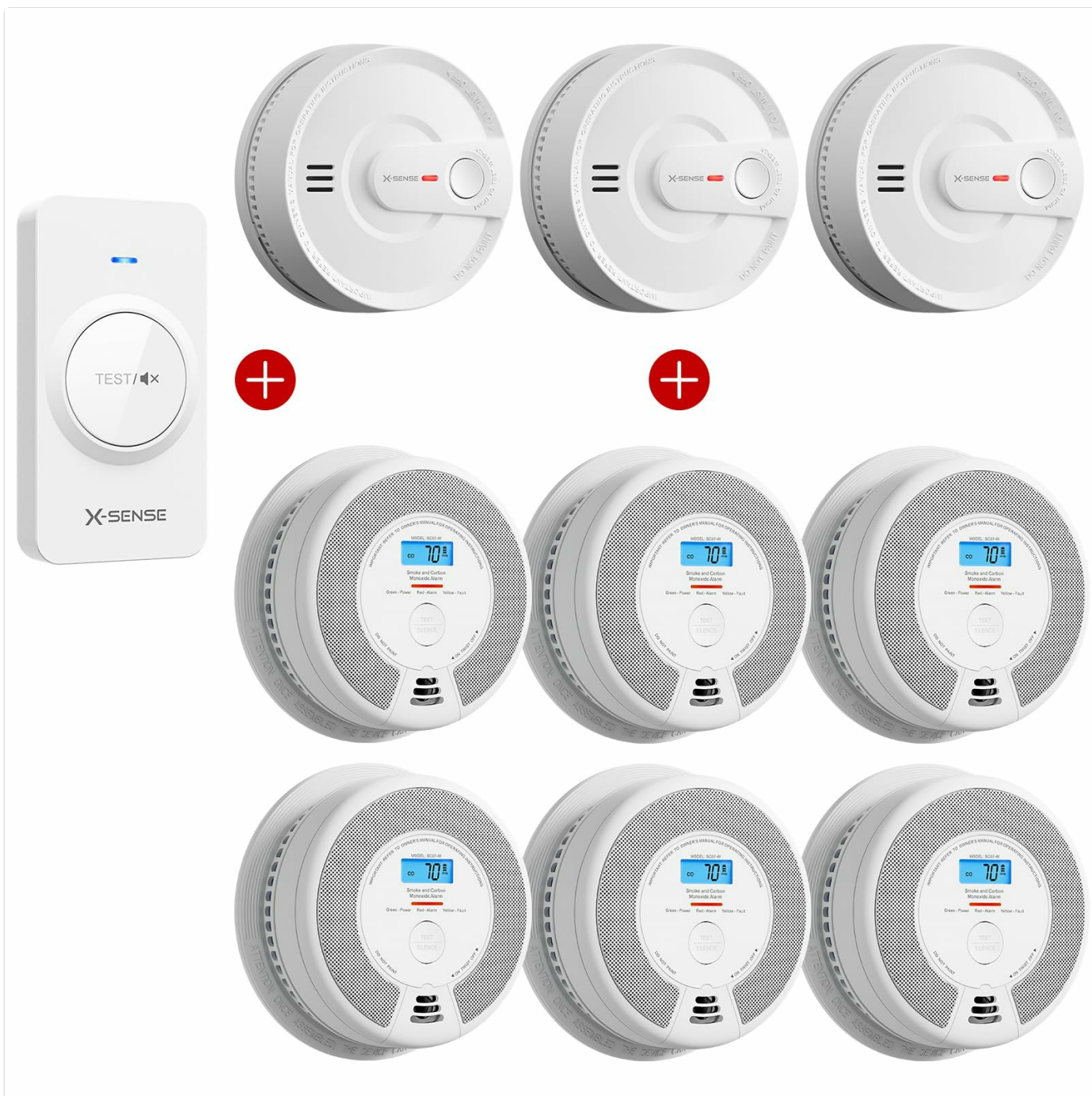


Figure 1: Contents of the X-Sense Wireless Interconnected Alarm System bundle. This image displays the white rectangular remote controller on the left, three round, white smoke alarms (SD20-W) at the top right, and six round, white combination smoke and carbon monoxide detectors (SC07-W) with LCD screens below them. Plus signs indicate the combination of these components in the bundle.

PRODUCT OVERVIEW

X-Sense SD20-W Smoke Alarm

The SD20-W is a wireless interconnected smoke detector designed to detect smoke and alert occupants. Its housing is constructed from flame-retardant and high-temperature resistant ABS material, ensuring durability and safety. It features a test/silence button and an LED indicator for status updates.

X-Sense SC07-W Combination Smoke and Carbon Monoxide Detector

The SC07-W is a wireless interconnected alarm that detects both smoke and carbon monoxide (CO). It includes an LCD display that shows real-time CO levels (from 30 to 999 ppm), battery level, and working status. This alarm also features a test/silence button and LED indicators.

X-Sense RC01 Remote Controller

The RC01 remote controller provides a convenient way to test all interconnected alarms and mute false alarms without needing to physically reach each unit. This is particularly useful for alarms installed in high or hard-to-reach locations.

SETUP AND INSTALLATION

Choosing a Location

- Install smoke alarms on every level of your home, including basements, and in every sleeping area.
- Install carbon monoxide alarms on every level of your home and near sleeping areas.
- Avoid installing alarms near windows, doors, or vents where drafts could interfere with detection.
- Keep alarms at least 20 feet (6 meters) away from combustion sources like furnaces, water heaters, and space heaters.

Mounting the Alarms

1. Select a suitable mounting location on a ceiling or wall.
2. Use the mounting bracket as a template to mark the drill holes.
3. Drill holes and insert the anchor plugs.
4. Attach the mounting bracket to the ceiling/wall using the provided screws.
5. Align the alarm with the mounting bracket and twist clockwise until it locks into place.

Interconnecting Alarms

Your X-Sense alarms are designed for wireless interconnection, allowing all alarms to sound when one detects a hazard. Up to 24 X-Sense Link+ wireless alarms can be linked via radio frequency.

1. Ensure all alarms are powered on.
2. On one alarm (the primary alarm), press the test/silence button three times quickly. The LED indicator will flash rapidly, indicating it's in pairing mode.
3. Within 60 seconds, press the test/silence button on each subsequent alarm twice quickly. The LED indicator on these alarms will also flash rapidly.
4. Once all alarms are paired, press the test/silence button on the primary alarm once to exit pairing mode.
5. Test the interconnection by pressing the test/silence button on any one alarm. All interconnected alarms should sound.

Pairing the Remote Controller (RC01)

1. Ensure the remote controller has a working battery.
2. On any interconnected alarm, press the test/silence button three times quickly to enter pairing mode.
3. Within 60 seconds, press the "TEST/X" button on the remote controller once. The remote's LED will flash, and the alarm's LED will confirm pairing.
4. Press the test/silence button on the alarm once to exit pairing mode.
5. Test the remote by pressing its "TEST/X" button. All interconnected alarms should sound.

OPERATING YOUR ALARMS

Testing the Alarms

It is recommended to test your alarms weekly to ensure proper operation.

- **Manual Test:** Press and hold the test/silence button on any alarm until it sounds. All interconnected alarms should also sound.
- **Remote Test:** Press the "TEST/X" button on the RC01 remote controller. All interconnected alarms should sound.

Silencing Alarms (Hush Mode)

In case of a false alarm (e.g., from cooking fumes), you can temporarily silence the alarms.

- **Manual Silence:** Press the test/silence button on the alarming unit.
- **Remote Silence:** Press the "TEST/X" button on the RC01 remote controller.

The alarm will enter hush mode for approximately 9 minutes. If the smoke or CO concentration remains high after this period, the alarm will reactivate.

Understanding LED Indicators and LCD Display (SC07-W)

- **Green LED:** Normal operation.
- **Red LED:** Alarm condition (smoke or CO detected).
- **Yellow LED:** Fault or low battery.
- **SC07-W LCD Display:** Shows real-time CO concentration in PPM (parts per million) when CO is detected. Also displays battery level and operational status.

MAINTENANCE

Cleaning Your Alarms

Clean your alarms at least once a month to remove dust and debris that could interfere with their operation.

- Use a soft, damp cloth to wipe the exterior of the alarm.
- Gently vacuum around the alarm's vents and openings using a soft brush attachment.
- Do NOT use cleaning solvents or sprays directly on the alarm.
- Do NOT paint the alarm.

Battery Life

The SD20-W and SC07-W alarms are equipped with a 10-year sealed lithium battery, designed to last the entire lifespan of the alarm. The RC01 remote controller uses a replaceable battery (typically a CR2032 coin cell). Replace the remote's battery when its indicator light dims or it becomes unresponsive.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|---|
| Alarm sounds intermittently or chirps. | Low battery (for RC01) or end-of-life warning (for SD20-W/SC07-W). | Replace RC01 battery. If SD20-W/SC07-W, the unit needs replacement after 10 years. |
| Alarm sounds without apparent smoke/CO. | False alarm due to cooking fumes, steam, or dust. | Press the test/silence button on the alarm or remote to silence. Ventilate the area. Clean the alarm. |
| Alarms do not interconnect. | Incorrect pairing procedure or too many alarms. | Repeat the interconnection steps carefully. Ensure no more than 24 alarms are linked. |
| Remote controller not working. | Dead battery or not paired. | Replace the RC01 battery. Re-pair the remote controller with an alarm. |
| SC07-W LCD shows "Err" or other error codes. | Internal fault. | Refer to the specific error code in the full manual (if available) or contact X-Sense support. The unit may need replacement. |

SPECIFICATIONS

| Feature | Description |
|------------------------------|---|
| Product Models | SD20-W (Smoke Alarm), SC07-W (Combination Smoke & CO Alarm), RC01 (Remote Controller) |
| Power Source (SD20-W/SC07-W) | Built-in 10-year sealed lithium battery |
| Power Source (RC01) | Replaceable CR2032 coin cell battery |
| Sensor Type (SD20-W) | Photoelectric Smoke Sensor |
| Sensor Type (SC07-W) | Photoelectric Smoke Sensor, Electrochemical CO Sensor |
| Interconnection | Wireless Radio Frequency (up to 24 X-Sense Link+ alarms) |
| CO Display Range (SC07-W) | 30 - 999 ppm |
| Operating Temperature | 40-100°F (4.4-37.8°C) |
| Operating Humidity | ≤95% RH (non-condensing) |

IMPORTANT SAFETY INFORMATION

- Never ignore any alarm. Ignoring an alarm can result in injury or death.
- Test your alarms weekly.
- Do not paint the alarms. Paint can clog the sensing chambers and prevent the alarm from operating properly.
- Do not attempt to repair the alarm yourself. Refer to qualified service personnel.
- This alarm is not intended to replace proper installation, use, and maintenance of fuel-burning appliances, including appropriate ventilation and exhaust systems.

