PRODUCT SPECIFICATIONS

Doc. No. XS01

X-SENSE®
The Ultimate Home Safety Expert

3.0 in (78 mm)

1.9 in (48 mm)

Photoelectric Smoke Alarm

XS01

Technical Specifications

Safety Standard	EN 14604:2005 + AC:2008
Sensor Type	Photoelectric
Operating Life	10 years
Power Source	3 V CR123A lithium battery (non-replaceable)
Standby Current	< 6 μA (avg.)
Alarm Current	< 60 mA
Alarm Sound Level	≥ 85 dB at 10 ft (3 m)
Operating Ambient Temperature	40-100 °F (4.4-37.8 °C)
Operating Relative Humidity	≤ 85% RH (non-condensing)
Silence Duration	≤ 9 minutes
Indicator Light	Red LED
Product Weight	0.20 lb (91 g)
Product Dimensions	3.0 × 3.0 × 1.9 inches (78 × 78 × 48 mm)
Package Contents	1 × Alarm Unit + 1 x Mounting Bracket + 2 × Screws + 2 x Anchor Plugs + 1 × User Manual

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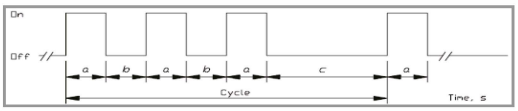
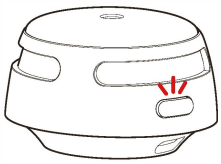
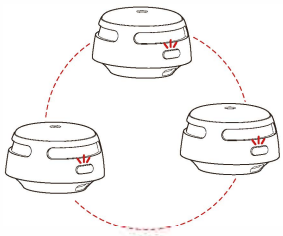
Working Modes

Alarm Indication	Red LED flashes once every second with short quick beeps.
Standby Mode	Red LED flashes once every 60 seconds.
Malfunction Warning	Red LED flashes twice with 2 beeps every 40 seconds.
Silence Duration	Approx. 9 minutes
Silence Indication	Red LED flashes once every 5 seconds without beeps.
Low Battery Warning	Red LED flashes once with 1 beep every 60 seconds.
Sounder Output Pattern When the Alarm Is Triggered	a = 0.5 seconds ± 10%, b = 0.5 seconds ± 10%, c = 1.5 seconds ± 10%. The total cycle lasts for 4 seconds ± 10% and its sound frequency is 3.2 ± 0.3 kHz. 
Test Mode	Press the test/silence button. The alarm will sound 3 short quick beeps. The red LED will flash once every second during the audible signal.

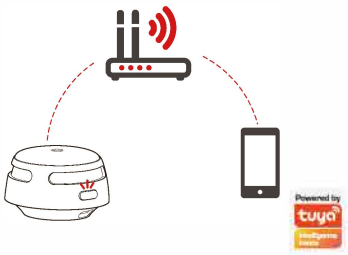
Available Options in Series



XS01 Photoelectric Smoke Alarm



XS01-W Wireless Interlinked Smoke Alarm (868 MHz)



XS01-WT Wi-Fi Smoke Alarm (TuyaSmart/Smart Life)

Deltronic

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XS01-W/WR
Wireless Interlinked Smoke Alarm

X-SENSE®
Ultimate Safety Expert

Product Overview

As one of the world's most reliable wireless safety alarms, our wireless smoke alarms are interconnected to each other using radio frequency technology. When one alarm is activated, all other alarms will sound. Moreover, we have introduced the remote controller which can connect with your wireless interconnected network for easy operation and testing purposes. You don't need to use a ladder or stepstool to test/silence your alarm.

The XS01-W/WR Wireless Interlinked Smoke Alarm is designed to comply with the EU standard EN 14604. It can be interconnected with other alarms in a matter of seconds with a simple one-button interconnection process.

The XS01-W/WR smoke alarms that are interconnected will sound if one alarm is triggered, ensuring an immediate response to fire. With the locate function, pressing the test/silence button on any interconnected alarm will silence all but the initiating alarm to quickly find the alarm source.

EN 14604:2005+AC:2008
Complies with Radio Equipment Directive 2014/53/EU

Product Features

- Compact size matching all the installation environment
- High-performance photoelectric sensor
- Wireless interconnection for the earliest possible warning
- Test/silence all the interlinked alarms in one network
- Interconnects up to 24 wireless alarms
- Low-battery warning
- Loud alert ≥ 85 dB at 3 m
- DC 3 V lithium battery
- Optional wireless remote controller for silencing and testing

Model	Product description
XS01-W	Wireless interlinked smoke alarm with sealed 3 V lithium battery (10 years)
XS01-WR	Wireless interlinked smoke alarm with replaceable 3 V lithium battery
RC01	Remote controller

X-SENSE®
X-Sense Innovations Co., Ltd.

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PRODUCT SPECIFICATIONS

Doc. No. XS01-W

X-SENSE®
The Ultimate Home Safety Expert

3.0 in (78 mm)

1.9 in (48 mm)

Wireless Interlinked Smoke Alarm

XS01-W

Technical Specifications

Safety Standard	EN 14604:2005 + AC:2008
Sensor Type	Photoelectric
Operating Life	10 years
Power Source	3 V CR123A lithium battery (non-replaceable)
Standby Current	< 15 μA (avg.)
Alarm Current	< 150 mA
Alarm Sound Level	≥ 85 dB at 10 ft (3 m)
Operating Ambient Temperature	40-100 °F (4.4-37.8 °C)
Operating Relative Humidity	≤ 85% RH (non-condensing)
Silence Duration	≤ 9 minutes
Indicator Light	Red LED
Product Weight	0.20 lb (91 g)
Product Dimensions	3.0 × 3.0 × 1.9 inches (78 × 78 × 48 mm)
Package Contents	1 × Alarm Unit + 1 x Mounting Bracket + 2 × Screws + 2 x Anchor Plugs + 1 × User Manual
Operating Frequency	868 MHz
Maximum Number of Interconnected Units	24 wireless units (only compatible with X-Sense wireless alarms)
Transmission Range	Over 250 m in open air

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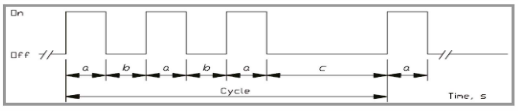
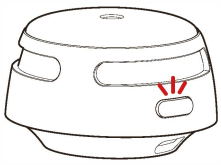
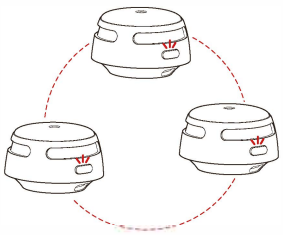
Working Modes

Alarm Indication	Red LED flashes once every second with short quick beeps.
Standby Mode	Red LED flashes once every 60 seconds.
Malfunction Warning	Red LED flashes twice with 2 beeps every 40 seconds. Each alarm gives an independent warning.
Silence Duration	Approx. 9 minutes
Silence Indication	Red LED flashes once every 5 seconds without beeps.
Low Battery Warning	Red LED flashes once with 1 beep every 60 seconds. Each alarm gives an independent warning.
Sounder Output Pattern When the Alarm Is Triggered	a = 0.5 seconds ± 10%, b = 0.5 seconds ± 10%, c = 1.5 seconds ± 10%. The total cycle lasts for 4 seconds ± 10% and its sound frequency is 3.2 ± 0.3 kHz. 
Test Mode	**Test a single alarm** · Action: Press the test/silence button. · Indication: The alarm will sound 3 short quick beeps. The red LED will flash once every second during the audible signal. **Test all interconnected smoke alarms** · Action: Hold down the test/silence button. · Indication: The initiating smoke alarm will beep continuously with the red LED flashing. Other interconnected smoke alarms in the network will receive the signal after 5 seconds, and they will beep continuously with the red LED flashing. Release the test/silence button and all the smoke alarms will stop testing. The alarm testing should be completed within 3 minutes.

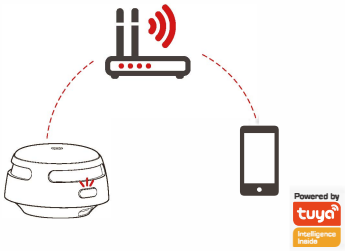
Available Options in Series



XS01 Photoelectric Smoke Alarm



XS01-W Wireless Interlinked Smoke Alarm (868 MHz)



XS01-WT Wi-Fi Smoke Alarm (TuyaSmart/Smart Life)

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PRODUCT SPECIFICATIONS

Doc. No. RC01

X-SENSE®
Ultimate Safety Expert

Remote Controller

RC01

Test/Silence Your Smoke Alarm from a Distance

The RC01 Remote Controller can easily control the wireless interconnected XS01-W smoke alarms without the need of touching the test/silence button on the smoke alarms installed on the ceiling.

Via the remote controller, a user can:

- Test the RF interlinked network of the smoke alarms.
- Silence all the interconnected smoke alarms in the network if there is ever a false alarm.

Technical Specifications

Operation Voltage	3 V DC
Battery Type	3 V CR2032 lithium battery
Battery Life	1 year
Transmission Frequency	868 MHz
Standby Current	≤ 1 uA
Max Alarm Current	≤13 mA
Operation Temperature	-10-50 °C
Operation Humidity	≤ 95% (non-condensing)
Remote Control Range	15 m (in open air)

Note: Battery life is calculated based on the current rating in the weekly testing mode and the standby mode.

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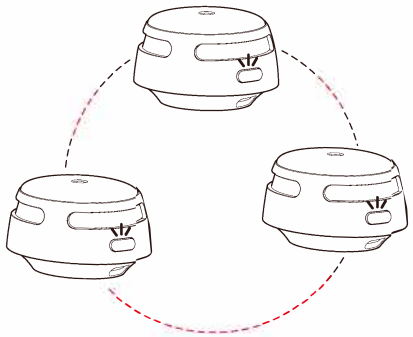
Working Modes

Standby Mode	In standby mode (non-alarming state), when you press the test button, the LED indicator on the remote controller will blink blue, indicating normal power supply.
Pairing	1. Press the test button 4 times to enter pairing mode. The LED indicator on the remote controller will flash continuously. 2. Once pairing is successful, the LED indicator will light up and then go out in about 3 seconds, indicating thatthe controller has exited pairing automatically. Alternatively, you can press the test button again to exit pairing.
Test the Wireless Interconnection	1. Hold the test button while within wireless range. The LED indicator on the remote controller will flash. 2. Afterthe alarms have received a signal (takes about 7 seconds), their LED indicators will flash and the alarms will sound continuously. 3. Release the test button. The LED indicator on the remote controller will stop flashing, indicating that the testing has ended.
Silence Mode	Simply press the test button to silence the alarms when non-emergency smoke (e.g. steam) causes nuisance alarms. During an alarm state, press the test button once and all the interlinked alarms but the initiating alarm will be silenced. Press again to silence the initiating alarm. The LED indicator on the remote controller will blink blue with each press.

Compatible with Wireless Smoke Alarm Series



XS01-W Wireless Interlinked Smoke Alarm (868 MHz)

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PRODUCT SPECIFICATIONS

Doc. No. XS01-WT

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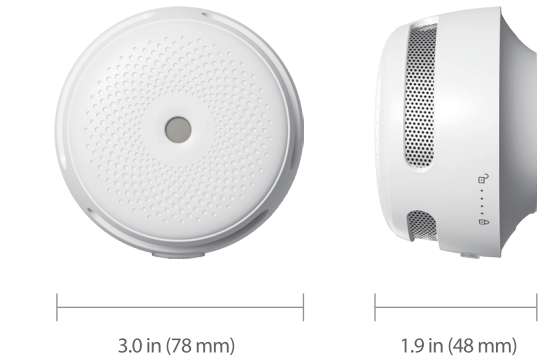

Wi-Fi Smoke Alarm

XS01-WT

Technical Specifications

Safety Standard	EN 14604:2005 + AC:2008
Sensor Type	Photoelectric
Operating Life	10 years
Battery Life	1 year
Power Source	Replaceable 3 V CR123A lithium battery
Standby Current	< 6 μA (avg.)
Alarm Current	< 130 mA
Wireless Transmission Current	<120 mA
Alarm Sound Level	≥ 85 dB at 10 ft (3 m)
Operating Ambient Temperature	40-100 °F (4.4-37.8 °C)
Operating Relative Humidity	≤ 85% RH (non-condensing)
Silence Duration	≤ 9 minutes
Indicator Light	LED (red/blue)
Product Weight	0.20 lb (91 g)
Product Dimensions	3.0 × 3.0 × 1.9 inches (78 × 78 × 48 mm)
Package Contents	1 × Alarm Unit + 1 x Mounting Bracket + 2 × Screws + 2 x Anchor Plugs + 1 × User Manual + 1 × Pin
App	TuyaSmart/Smart Life app (Android and iOS supported)
Wireless Frequency	2.4 GHz (incompatible with 5 GHz Wi-Fi network)
Wireless Protocol	IEEE 802.11b/g/n

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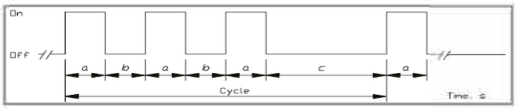
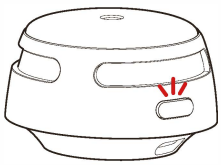
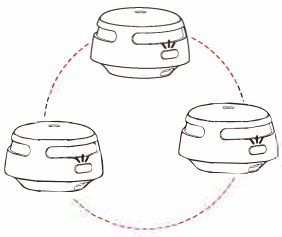
Working Modes

Alarm Indication	The LED indicator flashes red once per second with short quick beeps. The app will immediately notify you of dangerous smoke near the smoke alarm.
Standby Mode	The LED indicator flashes red once every 60 seconds without beeps.
Malfunction Warning	The LED indicator flashes red twice with 2 beeps every 40 seconds.
Silence Duration	Approx. 9 minutes
Silence Indication	The LED indicator flashes red once every 5 seconds without beeps.
Low Battery Warning	The LED indicator flashes red once with 1 beep every 60 seconds. The app will show the battery level "low" and notify you that the battery is low.
Sounder Output Pattern When the Alarm Is Triggered	a = 0.5 seconds ± 10%, b = 0.5 seconds ± 10%, c = 1.5 seconds ± 10%. The total cycle lasts for 4 seconds ± 10% and its sound frequency is 3.2 ± 0.3 kHz. 
Wi-Fi Connection Mode	To enter the Wi-Fi connection mode via EZ mode (default mode), hold down the test/silence button for 3 seconds. The smoke alarm will beep once, and the LED indicator will flash blue every 0.25 seconds.
Test Mode	Press the test/silence button and the LED indicator will flash red 3 times with 3 short quick beeps per seconds, and will then rapidly flash blue every 0.25 seconds, signifying that it has entered the Wi-Fi connection mode. After a successful connection, the LED indicator will automatically stop flashing blue.

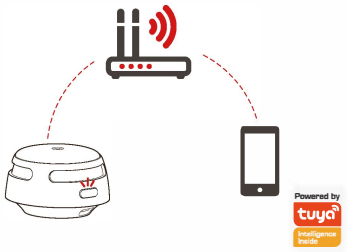
Available Options in Series



XS01 Photoelectric Smoke Alarm



XS01-W Wireless Interlinked Smoke Alarm (868 MHz)



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