Safeliveo CS12W

Safeliveo CS12W Smart WiFi Smoke Detector User Manual

Model: CS12W | Brand: Safeliveo

1. Introduction

Thank you for choosing the Safeliveo CS12W Smart WiFi Smoke Detector. This device is designed to provide early warning of smoke and fire hazards in your home or office, offering enhanced safety through smart connectivity. Please read this manual carefully before installation and use to ensure proper operation and maintenance.

2. Product Features

- **Smart WiFi Connectivity:** Connects to your 2.4GHz WiFi network for real-time alerts via the Tuya/Smart Life App.
- **Photoelectric Sensor:** Advanced photoelectric technology for reliable smoke detection.
- **Loud Alarm:** Emits an alarm sound of ≥85 dB to alert occupants.
- **10-Year Battery Life:** Equipped with a long-lasting lithium-metal battery.
- **Silence Function:** Temporarily silences nuisance alarms.
- **Self-Test Function:** Allows for easy testing of the detector's functionality.
- **Slim and Modern Design:** Compact dimensions (120 x 120 x 28 mm) for discreet placement.

3. Package Contents

- Safeliveo CS12W Smart WiFi Smoke Detector
- Mounting Bracket
- Screws and Wall Plugs
- User Manual

4. Specifications

Model Number	CS12W

Dimensions	12 x 12 x 2.8 cm
Weight	195 g
Power Source	1 Lithium-metal battery (included)
Connectivity	WiFi 2.4GHz
Sensor Type	Photoelectric
Alarm Volume	≥85 dB
Operating Humidity	85% by volume
UPC	780854890254

5. Installation

Proper installation is crucial for the effective operation of your smoke detector. Follow these steps:

1. **Choose Location:** Select a central location on the ceiling, away from corners, vents, and potential sources of false alarms like kitchens or bathrooms.
2. **Mark Holes:** Use the mounting bracket to mark the positions for drilling on the ceiling.
3. **Drill Holes:** Drill two 5mm holes at the marked positions.
4. **Insert Wall Plugs:** Gently insert the provided plastic wall plugs into the drilled holes.
5. **Attach Bracket:** Secure the mounting bracket to the ceiling using the provided screws.
6. **Align Detector:** Align the line on the side of the smoke detector with the line on the mounting bracket.
7. **Secure Detector:** Place the detector onto the bracket and rotate it approximately 5 degrees counter-clockwise until it locks securely into place. You should hear a click.



Figure 1: Installation method showing marking, drilling, and securing the bracket.



Figure 2: Aligning the detector with the bracket and twisting to lock.

6. App Setup and Connection

The Safeliveo CS12W detector connects to your smartphone via the Tuya or Smart Life app for remote monitoring and notifications.

6.1 Initial Setup

1. **Download App:** Download and install the "Tuya Smart" or "Smart Life" app from your mobile app store.
2. **Register/Login:** Create an account or log in to the app.
3. **Enable Connectivity:** Ensure your smartphone's Bluetooth is enabled and it is connected to a**2.4GHz WiFi network**. The detector does not support 5GHz WiFi.

6.2 Connecting the Detector (Automatic Method)

1. **Open App:** Open the Tuya or Smart Life app.
2. **Add Device:** Tap "Add Device" or the "+" icon in the top right corner. The app will automatically search for nearby devices.

3. **Activate Detector:** Press the test button on the smoke detector four times quickly. The red indicator light will flash rapidly, then change to a green flashing light after a few seconds, indicating pairing mode.
4. **Confirm Device:** Once the app discovers the detector, tap "Add" to proceed.
5. **Enter WiFi Details:** Select your 2.4GHz WiFi network and enter the password. Tap "Next".
6. **Completion:** The device should be added successfully within a few seconds.



Figure 3: Real-time alerts on your smartphone.

6.3 Connecting the Detector (Manual Method)

1. **Open App:** Open the Tuya or Smart Life app.
2. **Add Device Manually:** Tap "Add Device" or the "+" icon, then select "Add Manually" and choose the smoke detector from the list of security sensors.
3. **Activate Detector:** Press and hold the test button on the smoke detector for 5 seconds until the red indicator light begins to flash slowly, then rapidly. This indicates manual pairing mode.
4. **Confirm Indicator:** In the app, confirm that the indicator light is flashing rapidly.
5. **Enter WiFi Details:** Select your 2.4GHz WiFi network and enter the password. Tap "Next".
6. **Completion:** The device should be added successfully.

7. Operation

7.1 Self-Test

Regularly test your smoke detector to ensure it is functioning correctly. Press and hold the test/mute button on the detector for a few seconds. The alarm will sound, and the LED will flash, indicating the unit is working. Release the button to stop the test.



Figure 4: Self-test function and LED behavior.

7.2 Silence Function

In case of a nuisance alarm (e.g., from cooking fumes), you can temporarily silence the alarm by pressing the test/mute button. The detector will enter a temporary silence period, typically for several minutes, before automatically resetting. If smoke is still present after the silence period, the alarm will sound again.

7.3 App Notifications

When smoke is detected, the detector will sound its alarm and send a real-time notification to your connected smartphone via the Tuya/Smart Life app. Ensure app notifications are enabled on your phone for critical alerts.



Figure 5: Example of a smoke alarm notification on a smartphone.

8. Maintenance

8.1 Cleaning

Clean your smoke detector at least once a month. Use a soft brush or a vacuum cleaner with a soft brush attachment to remove dust and debris from the vents and openings. Do not use water, cleaning solvents, or chemicals, as these can damage the unit.

8.2 Battery Status

The detector is equipped with a 10-year lithium-metal battery. The app will notify you of low battery status. To update the battery status in the app after initial connection, press the test button on the smoke detector once. The app will then display the current battery level.



Figure 6: Updating battery status in the app.

9. Troubleshooting

Problem	Possible Cause	Solution
Detector not connecting to app	Incorrect WiFi band (5GHz), Bluetooth off, incorrect password, app permissions not granted.	Ensure 2.4GHz WiFi, enable Bluetooth, verify WiFi password, grant all necessary app permissions. Try restarting the detector and repeating the connection steps.
False alarms	Proximity to cooking fumes, steam, or high humidity areas; dust accumulation.	Relocate the detector if it's too close to kitchens or bathrooms. Clean the detector regularly to remove dust. Use the silence function for temporary nuisance alarms.
Low battery notification	Battery is nearing end of life or app status needs updating.	Press the test button on the detector to update the battery status in the app. If the issue persists, the battery may be depleted. As the battery is designed for 10 years and is non-replaceable, the unit may need replacement.
No alarm during test	Detector malfunction.	Ensure the detector is properly powered on. If the issue persists after ensuring power, the detector may be faulty and require replacement.

10. Safety Information

- Do not paint the smoke detector. Paint can clog the sensing chambers and prevent the unit from operating correctly.
- Do not attempt to open or repair the detector yourself. Refer to qualified personnel for service.
- Test the smoke detector weekly to ensure proper function.
- Never ignore a smoke alarm. Investigate the cause and take appropriate action immediately.
- Install smoke detectors on every level of your home, inside bedrooms, and outside sleeping areas.

11. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Safeliveo website. Keep your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question