Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

TUGARD ZASD-G21

TUGARD G21 WiFi Home Alarm Security System User Manual

Model: ZASD-G21 | Brand: TUGARD

1. Introduction

The TUGARD G21 WiFi Home Alarm Security System is a comprehensive, wireless DIY solution designed to protect your home, office, or apartment. This 10-piece kit offers advanced security features including WiFi connectivity, app control via Tuya/Smart Life, voice control compatibility with Alexa and Google Home, and multi-channel alarm methods. Its user-friendly design ensures easy installation and operation, providing peace of mind with no monthly fees.
The system supports 11 languages and offers customizable zone settings to fit various security needs, from perimeter detection to 24-hour monitoring. Real-time status updates and instant notifications keep you informed of any security events.

2. Package Contents

Verify that all components listed below are included in your package:

- 1 x WiFi Control Panel (Alarm Panel/Hub)
- 4 x Window & Door Sensors
- 1 x Wireless PIR Motion Sensor
- 2 x Remote Controls (Remote Tags)
- 1 x Wired Siren
- 1 x USB Cable
- 1 x Power Adapter and Cord
- 2 x Mounting Screws
- 1 x User Guide



Figure 2.1: All components included in the TUGARD G21 security system kit.

3. Setup Guide

3.1 Powering the Main Panel

Connect the provided power adapter to the WiFi Control Panel and plug it into a standard 110-volt electrical outlet. The panel will power on automatically.

3.2 Network Connection (2.4GHz WiFi)

The TUGARD G21 system operates exclusively on a 2.4GHz WiFi network. It does not support 5GHz networks. Ensure your router is configured to support 2.4GHz, and for optimal setup, keep the network distribution equipment and your mobile phone as close to the router as possible during the initial configuration. If network setup issues occur, try restarting your router.



Figure 3.1: The main panel supports 2.4GHz WiFi and is compatible with Tuya, Smart Life, Google Assistant, and Amazon Alexa.

3.3 Sensor Installation

3.3.1 Door/Window Sensors

Install the door/window sensors by aligning the main sensor unit and the magnet. The gap between the two parts should not exceed 0.39 inches (1 cm). After installation, open the door or window to test; the sensor light should illuminate, indicating correct installation and signal transmission. A flashing light indicates a low battery, requiring replacement.

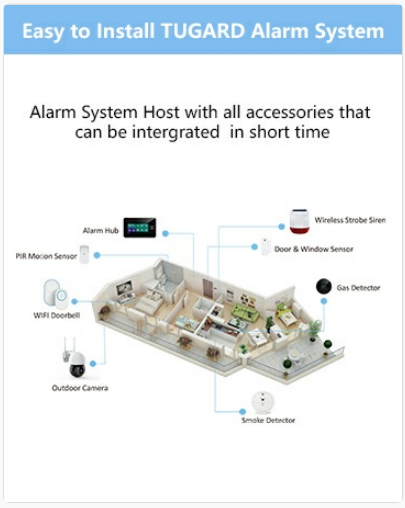


Figure 3.2: Proper alignment of the door/window sensor and its magnetic component.

3.3.2 PIR Motion Detector

When selecting an installation location for the PIR Motion Detector, consider the lens direction and avoid obstacles that might impair its view or radio signal transmission. The detector should be mounted between 79 to 87 inches (2 to 2.2 meters) above the floor.

Important Considerations for PIR Motion Detector Placement:

- Do not install outdoors, in garages, or directly on glass.
- The detector cannot detect motion through glass.
- Avoid locations where the detector could get wet (e.g., near swing-out windows exposed to rain).
- Do not install within 3 feet (1 meter) of heat sources like electric heaters, heat vents, fireplaces, or other sources producing turbulent air.
- Do not install behind large appliances or furniture that may obstruct its motion sensors.

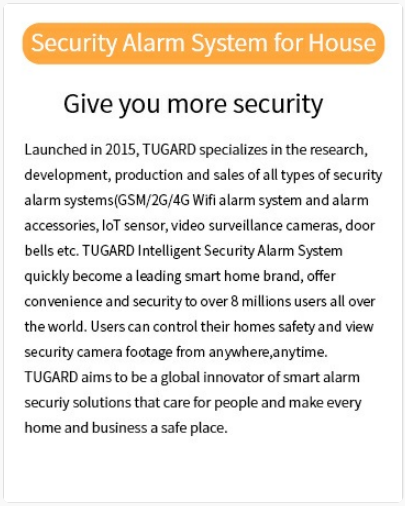


Figure 3.3: Internal components and mounting instructions for the PIR Motion Detector.

3.4 App Setup (Tuya/Smart Life)

To set up the system with the Smart Life or Tuya app:

1. Download and open the Smart Life or Tuya app on your mobile phone.
2. Click on the alarm system icon within the app.
3. Press the top right corner to access 'Third-party control'.
4. Select 'Alexa' or 'Google Assistant' and sign in to your account to complete the setting.



Figure 3.4: The Smart Life app provides a clear interface for managing your alarm system.

4. Operating Instructions

4.1 Arming and Disarming the System

The TUGARD G21 system offers flexible arming and disarming options:

- **Normal Zone:** Sensors in this zone are active in *Arm* (full arm) or *HOME Mode* (home/stay/partial arm).

Door/window sensors are recommended for this zone.

- **24 Hours Zone:** Sensors in this zone will trigger the alarm and sound regardless of the system's armed status.
- **Home Zone:** Sensors in this zone are active in *Away Arm Mode*. If the system is in Home Arm Mode, these sensors are armed and will trigger the alarm if activated. In Disarm Mode, these sensors will not activate the alarm.

You can arm and disarm the system using five methods: RFID tag, remote control, Smart Life/Tuya app, voice commands, or directly via the control panel display.



Figure 4.1: The system can be armed and disarmed using RFID tags, remote controls, the Smart Life app, voice commands, or the control panel.

4.2 Voice Control (Alexa/Google Home)

The TUGARD G21 system is compatible with Amazon Alexa and Google Home Assistant, allowing for convenient voice control of arming and disarming functions.



Figure 4.2: Seamless integration with Amazon Alexa and Google Home for voice control.

4.3 Push Notifications

Your mobile phone will receive instant push notifications via the Tuya or Smart Life app whenever the home security system is triggered. This ensures you are immediately aware of any security events.

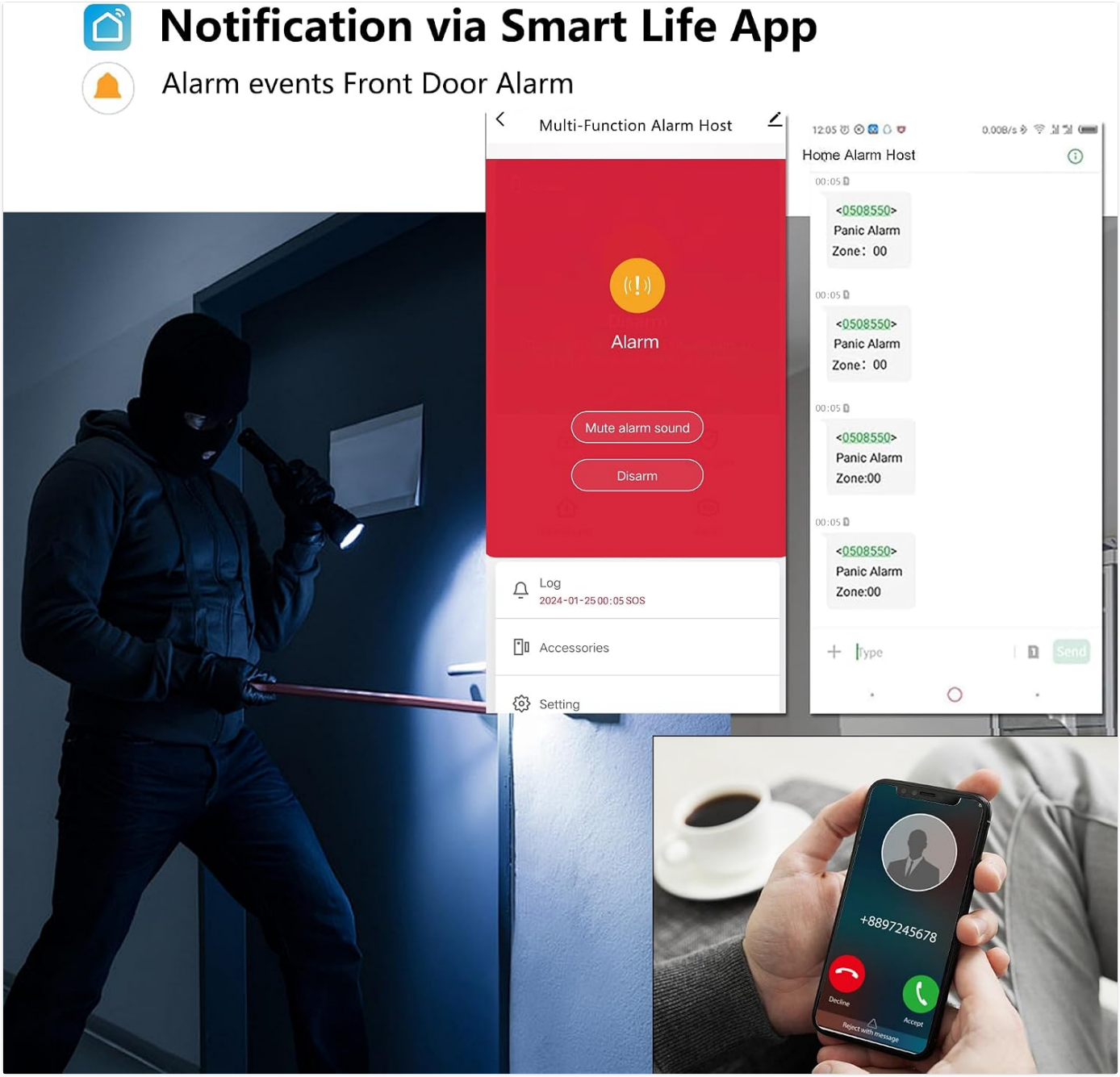


Figure 4.3: Receive immediate alarm notifications directly on your smartphone.

4.4 Timed Arming and Disarming

The system supports timed arming and disarming functions, allowing you to schedule when the alarm activates or deactivates automatically. This feature helps avoid the hassle of repeated daily settings.



Figure 4.4: Set custom schedules for automatic arming and disarming.

4.5 Device Sharing

You can share access to your TUGARD home alarm system with family members by adding their mobile numbers within the Smart Life or Tuya app. This allows multiple users to monitor and control the system.

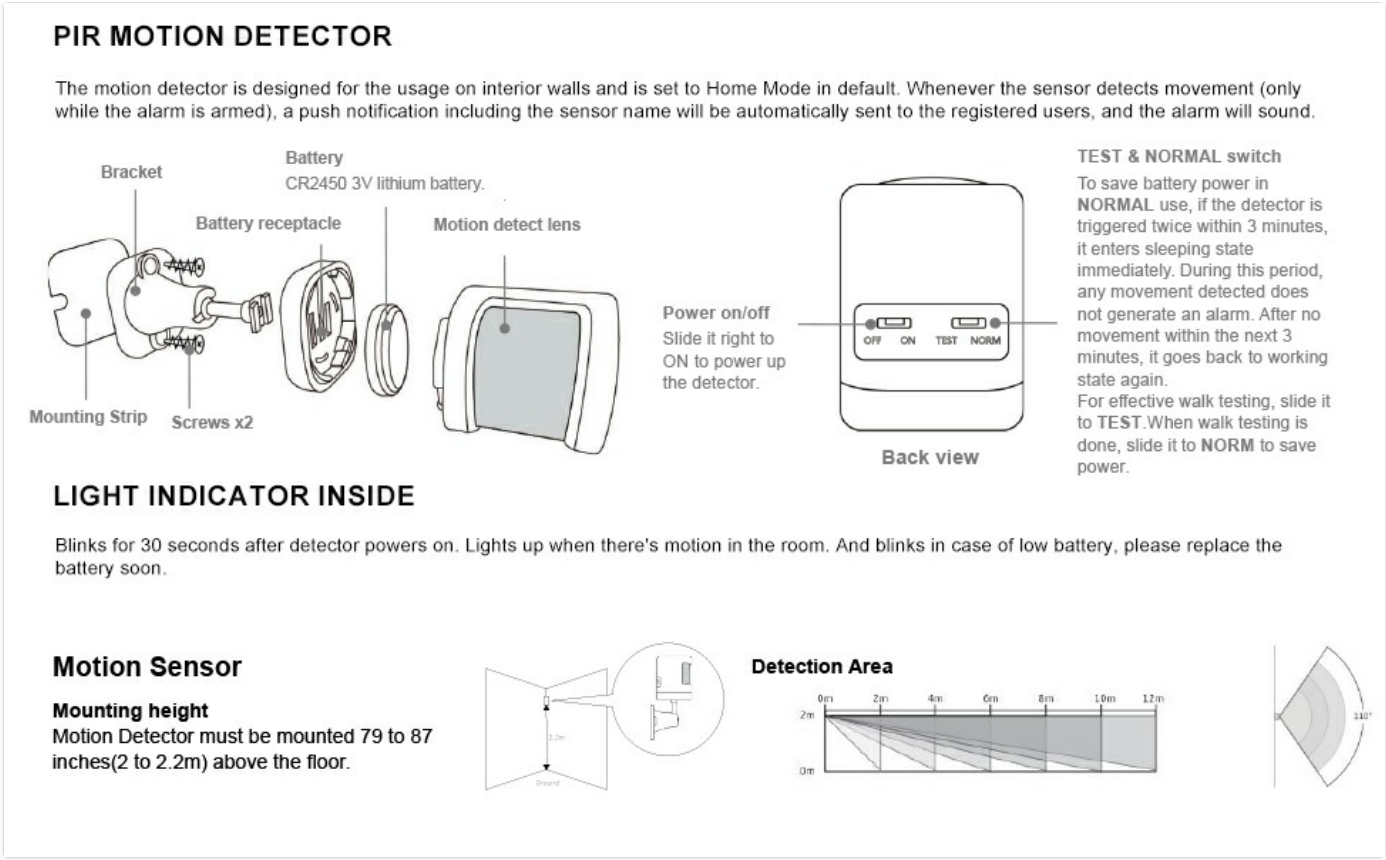


Figure 4.5: Share system access with family members for collaborative security management.

5. Maintenance

5.1 Battery Replacement

- **Door/Window Sensors:** If the magnetic door light flashes, the battery is low and should be replaced as soon as possible.
- **PIR Motion Detector:** The motion detector uses a CR2450 3V lithium battery. A blinking light for 30 seconds after power-on, or continuous blinking in case of low battery, indicates the need for battery replacement.

5.2 Cleaning

Wipe the control panel and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the device surfaces.

6. Troubleshooting

- **WiFi Connection Issues:** If the system fails to connect to WiFi, ensure your router is broadcasting a 2.4GHz signal. Try restarting your router and ensure the alarm panel and your mobile device are close to the router during setup.
- **Sensor Not Triggering:** Check the alignment of door/window sensors; the gap should not exceed 0.39 inches. Verify that the sensor's battery is not low. For motion detectors, ensure there are no obstructions in its detection area and it's not placed near heat sources.
- **Switching Mobile Phones for Setup:** If you need to set up the network using a different mobile phone, first open the Smart Life app on the original phone, go to the alarm icon, then 'settings', and select 'restore factory settings'. This will allow the new phone to configure the network.
- **Doors/Windows Unclosed Alert:** The system provides an alert if a door or window is left unclosed, ensuring all entry points are secured.

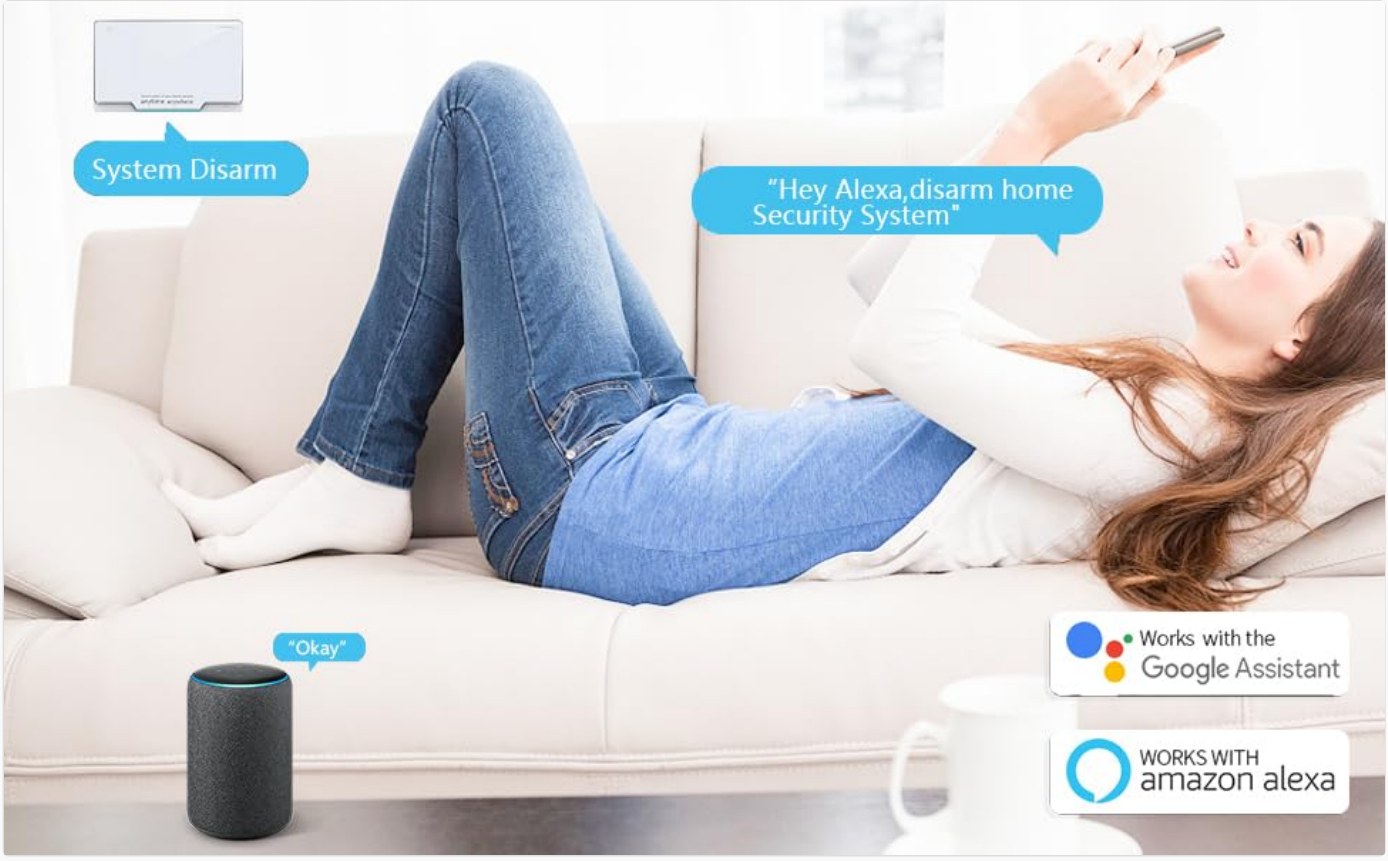


Figure 6.1: The system provides alerts for unclosed doors and windows.

7. Specifications

Feature	Specification
Brand	TUGARD
Model Number	ZASD-G21
Color	White
Power Source	Corded Electric
Voltage	110 Volts
Connectivity Technology	WiFi (2.4GHz, IEEE802.11b/g/n)
Radio Frequency	433Mhz
Compatible Devices	Smartphone (Tuya/Smart Life App), Amazon Alexa, Google Home
Control Method	App, Remote, Touch, Voice
Item Dimensions (L x W x H)	6.88 x 4.33 x 0.78 inches (175 x 110 x 20 mm)
Item Weight	7.2 ounces
Battery Life (Sensors)	Approx. 3 years (CR2032 for door/window, CR2450 for PIR)

Feature	Specification
Max Wireless Protection Zones	100
Max Remote Controls/RFID Cards	10
Max Wireless Sensors	20
Supported Languages	English, Chinese, German, Russian, Spanish, Polish, Italian, French, Portuguese, Greek, Romanian



Figure 7.1: Detailed dimensions of the TUGARD G21 control panel.

8. Warranty and Support

8.1 Warranty Information

This TUGARD G21 WiFi Home Alarm Security System comes with a standard limited warranty. Please refer to the product packaging or the official TUGARD website for specific warranty terms and conditions.

8.2 Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your TUGARD G21 system, please visit the official TUGARD support website or contact their customer service department. Contact information can typically be found on the

product packaging or the brand's official online presence.

© 2024 TUGARD. All rights reserved.

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

Open the live page

https://manuals.plus/asin/B0CSST5TB7

More documents and user manuals: **https://manuals.plus/**