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D1D9 OCC1

D1D9 Wireless DIY GSM Burglar Alarm System (Model OCC1) User Manual

Comprehensive instructions for installation, operation, and maintenance.

1. Introduction

This manual provides detailed instructions for the D1D9 Wireless DIY GSM Burglar Alarm System, Model OCC1. This system is designed to enhance home security by detecting intrusions and alerting users via alarm and mobile communication. Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

2. Product Overview

2.1. System Components

The D1D9 Wireless DIY GSM Burglar Alarm System typically includes the following components:

- **Main Control Panel:** The central unit for managing the alarm system, featuring a keypad, display, and communication module.
- **PIR Motion Sensors:** Passive Infrared sensors designed to detect movement within a monitored area.
- **Door/Window Contact Sensors:** Two-part sensors that trigger an alarm when a door or window is opened.
- **Remote Controls (Key Fobs):** Devices for arming, disarming, and triggering SOS functions remotely.
- **Siren:** An external or internal sounder that emits a loud alarm when triggered.
- **Power Adapter:** For powering the main control panel.
- **Batteries:** For sensors and the main unit's backup power.



Figure 1: Overview of the D1D9 Wireless DIY GSM Burglar Alarm System components, including the main panel, multiple PIR motion sensors, door/window contact sensors, remote controls, and an external siren.

2.2. Key Features

- **Intrusion Alert:** Triggers a loud alarm and sends notifications (phone calls/messages) to pre-saved numbers upon detection of an intrusion.
- **Remote Control:** Arm, disarm, monitor voice, and use intercom functions via a mobile phone from any location.
- **GSM Communication:** The main unit functions like a mobile phone, allowing for communication and alerts via a GSM SIM card.
- **Built-in Battery Backup:** Ensures continuous operation during power outages or if power lines are cut.
- **Wireless Connectivity:** Sensors connect wirelessly to the main panel, simplifying installation.
- **SOS Function:** Remote controls include an SOS button for emergency alerts.

3. Setup and Installation

Proper setup is crucial for the effective operation of your alarm system. Follow these steps carefully.

3.1. Main Control Panel Installation

1. **Choose Location:** Select a central, secure location for the main control panel, away from direct sunlight, moisture, and extreme temperatures. Ensure it is within range of your wireless sensors.
2. **Insert SIM Card:** Open the SIM card slot on the main panel and insert a valid GSM SIM card. Ensure the SIM card has credit and is activated for calls and SMS.
3. **Connect Power:** Plug the power adapter into the main panel and then into a wall outlet. The built-in battery will charge automatically.
4. **Initial Power On:** Power on the system. The display should light up, indicating readiness.



Figure 2: The D1D9 GSM Alarm System main control panel mounted on a wall in a living room setting, demonstrating a typical installation location.

3.2. Sensor Placement and Pairing

Each sensor needs to be strategically placed and paired with the main control panel.

1. **PIR Motion Sensors:**
    - Install PIR sensors in corners of rooms or hallways, approximately 6-8 feet (1.8-2.4 meters) from the floor.
    - Avoid pointing them directly at heat sources, windows, or areas with strong air currents.
2. **Door/Window Contact Sensors:**
    - Mount one part of the sensor on the door/window frame and the other part on the moving door/window itself.
    - Ensure the two parts are aligned and within 1 cm (0.4 inches) of each other when the door/window is closed.
3. **Pairing Sensors:** Refer to your system's specific programming instructions for pairing each wireless sensor with the main panel. This usually involves putting the main panel into a "learning" mode and then triggering each sensor.



Figure 3: A PIR motion sensor installed on a wall, positioned to monitor an area, next to a decorative picture frame.



Figure 4: A door/window contact sensor installed on a window frame, with one part on the fixed frame and the other on the movable window, demonstrating proper alignment.



Figure 5: An illustrative diagram depicting recommended placement for various security sensors (PIR, gas detector, smoke detector, door magnetic switch) around a house for comprehensive coverage.

3.3. Programming Phone Numbers

Program emergency contact numbers into the main panel. The system will call or send SMS alerts to these numbers when an alarm is triggered.

1. Access the programming menu on the main panel (refer to your specific model's keypad instructions).
2. Enter the phone numbers for emergency contacts, family members, or security personnel.
3. Save the settings.

4. Operating Instructions

4.1. Arming the System

- **Full Arm (Away Mode):** Activates all sensors. Use this when leaving the premises. Press the "ARM" button on the main panel or the corresponding button on your remote control.
- **Home Arm (Stay Mode):** Activates perimeter sensors (e.g., door/window contacts) while allowing free movement within the property. Press the "HOME" button on the main panel or remote control.

4.2. Disarming the System

To disarm the system, enter your user code on the main panel keypad or press the "DISARM" button on your remote control.

4.3. SOS Function

In case of an emergency, press the SOS button on your remote control. This will immediately trigger the alarm and send alerts to the programmed emergency numbers.

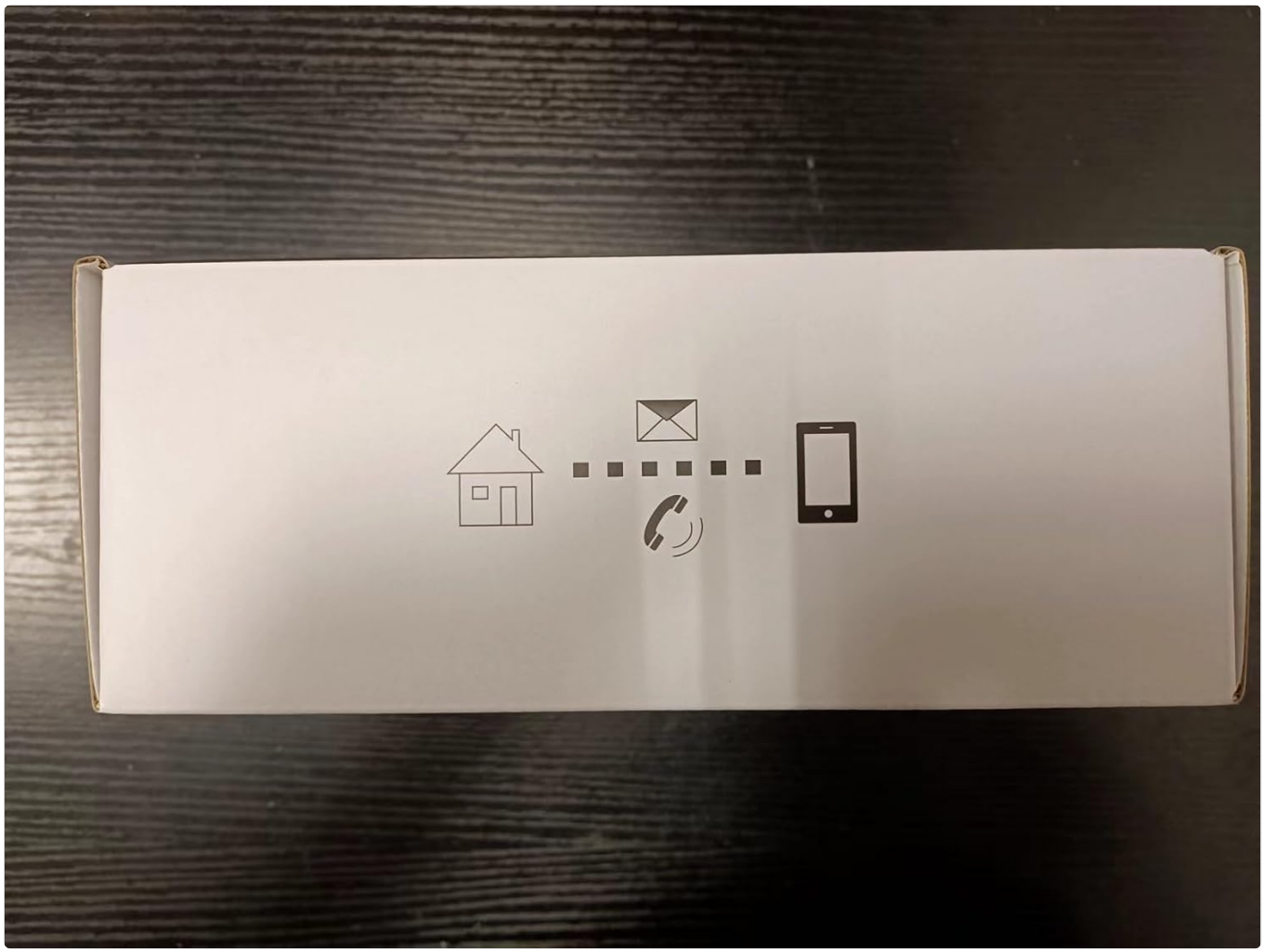

Figure 6: A hand pressing the SOS button on a remote control, illustrating the emergency alert function.

4.4. Remote Control via Mobile Phone

The system supports remote control via your mobile phone using SMS commands or by calling the SIM card number in the main panel. Refer to the specific SMS commands provided in your system's detailed manual for functions like arming, disarming, voice monitoring, and intercom.

5. Maintenance

Regular maintenance ensures the longevity and reliability of your alarm system.

- **Battery Replacement:** Replace batteries in wireless sensors and remote controls as needed. The main panel may indicate low battery status for individual sensors. The main panel's internal battery is designed for backup and should be checked periodically.
- **Cleaning:** Gently clean the main panel and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **System Testing:** Periodically test the system by triggering a sensor (e.g., opening a protected door) to ensure the alarm sounds and notifications are sent. Inform your emergency contacts before testing.
- **SIM Card Credit:** Ensure the GSM SIM card in the main panel has sufficient credit for calls and SMS alerts.

6. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
System does not arm/disarm.	Incorrect code entered; remote control battery low; system malfunction.	Verify user code. Replace remote control battery. Check main panel status.
No alarm sound when triggered.	Siren disconnected; siren malfunction; system in silent mode.	Ensure siren is properly connected. Check system settings for siren activation.
No phone calls/SMS alerts.	SIM card not inserted correctly; no credit on SIM card; incorrect phone numbers programmed; network issues.	Reinsert SIM card. Recharge SIM card. Verify programmed phone numbers. Check GSM network signal.
False alarms.	Improper sensor placement; sensor sensitivity too high; environmental factors (pets, drafts).	Adjust sensor placement. Reduce sensor sensitivity if adjustable. Ensure sensors are away from heat sources or moving objects.
Sensor not responding.	Low battery; out of range; not properly paired.	Replace sensor battery. Relocate sensor closer to the main panel. Re-pair the sensor with the main panel.

7. Specifications

Key technical specifications for the D1D9 Wireless DIY GSM Burglar Alarm System, Model OCC1.

Feature	Detail
Brand	D1D9
Model Number	OCC1
Connectivity Technology	Wireless, GSM
Power Source	Battery Powered (Main unit with adapter, sensors with batteries)
Compatible Devices	Smartphone
Installation Type	Self-Adhesive (for some sensors)
Alert Type	Motion Only (PIR sensors), Contact (Door/Window sensors), SOS
Item Dimensions (L x W x H)	10.5 x 6.65 x 7.15 inches (Main Unit)
Item Weight	4.4 Pounds
Voltage	3.7 Volts (Internal Battery)
Control Method	Remote, Keypad, Smartphone
Included Components	Batteries (for sensors and main unit backup)
UPC	794604995175
Manufacturer	SZ PGST Co.,Ltd



Figure 7: Detailed dimensions of the D1D9 GSM Alarm System main panel and a PIR motion sensor, showing measurements in inches and centimeters.

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the documentation included with your product packaging or contact the manufacturer directly.

- **Manufacturer:** SZ PGST Co.,Ltd
- **Brand Store:** D1D9 Amazon Store

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