

Denver SHA-150

Denver SHA-150 Smart Alarm System User Manual

MODEL: SHA-150

1. Introduction

This user manual provides detailed instructions for the installation, configuration, and operation of your Denver SHA-150 Smart Alarm System. This system is designed to enhance the security of your home or property with its comprehensive set of devices and smart features.

The Denver SHA-150 kit offers flexible options to customize your security setup. It supports integration with smart home platforms like Alexa and Google Assistant for convenient control. The dedicated Denver application for iOS and Android allows for remote access, monitoring, and management of your system, including access to video camera feeds if integrated. In emergency situations, the system features a robust notification system capable of sending emergency SMS messages or making calls to up to five pre-configured recipients.

2. Product Overview and Components

The Denver SHA-150 Smart Alarm System typically includes the following components:

- Main Control Panel (Hub)
- PIR Motion Sensor
- Door/Window Contact Sensor
- Keypad
- Remote Control
- Power Adapter for Hub



Figure 2.1: Overview of the Denver SHA-150 Smart Alarm System components.



Figure 2.2: Front view of the system keypad.



Figure 2.3: Door/Window Contact Sensor.



Figure 2.4: Remote Control for the alarm system.

3. Setup Instructions

1. **Unboxing and Initial Inspection:** Carefully unpack all components and verify that all items listed in the product overview are present and undamaged.
2. **Powering the Main Control Panel:** Connect the main control panel (hub) to a power outlet using the provided power adapter. Ensure it powers on correctly.
3. **Battery Installation:** Install the included AA batteries into the PIR motion sensor, keypad, and remote control as per their individual instructions. Refer to Figure 3.1 for an example of a sensor's battery compartment.



Figure 3.1: Rear view of a PIR motion sensor, indicating battery placement.

4. **Download the Denver App:** Download the official Denver application from the App Store (iOS) or Google Play Store (Android) on your smartphone or tablet.
5. **Account Creation and Hub Pairing:** Open the app, create an account, and follow the on-screen instructions to pair your main control panel with the app. This typically involves scanning a QR code or entering a device ID.
6. **Adding Sensors and Accessories:** Once the hub is paired, use the app to add each sensor (motion, door/window) and accessory (keypad, remote control) to the system. Follow the app's prompts for pairing each device.
7. **Placement of Sensors:**
 - **Motion Sensors:** Install in corners of rooms, ensuring a clear line of sight to cover entry points and high-traffic areas. Avoid placing near heat sources or direct sunlight.
 - **Door/Window Sensors:** Mount the two parts of the sensor on the door/window frame and the

moving part of the door/window, ensuring they are aligned and within 1 cm of each other when closed.

8. **Smart Assistant Integration (Optional):** If desired, integrate your system with Alexa or Google Assistant by following the instructions provided within the Denver app or your smart assistant's application.

4. Operating Instructions

The Denver SHA-150 system can be operated via the mobile application, keypad, or remote control.

- **Arming the System:**

- **Via App:** Open the Denver app and select the "Arm" function.
- **Via Keypad:** Enter your security code and press the "Arm" button (often represented by a lock icon).
- **Via Remote Control:** Press the "Arm" button on the remote control.

A confirmation sound or light indicator will confirm the system is armed.

- **Disarming the System:**

- **Via App:** Open the Denver app and select the "Disarm" function.
- **Via Keypad:** Enter your security code and press the "Disarm" button (often represented by an unlocked lock icon).
- **Via Remote Control:** Press the "Disarm" button on the remote control.

The system will provide a confirmation indicating it is disarmed.

- **SOS Function:** In an emergency, press the "SOS" button on the keypad or remote control. This will immediately trigger the alarm and send emergency notifications to your pre-configured contacts.
- **Emergency Notifications:** When an alarm is triggered, the system will automatically send SMS messages or make calls to up to 5 designated phone numbers. Ensure these contacts are correctly configured in the Denver app.
- **Remote Monitoring:** Use the Denver app to monitor the status of your sensors, view event logs, and access any integrated video cameras remotely.

5. Maintenance

- **Battery Replacement:**

Sensors and accessories (PIR motion sensor, keypad, remote control) are powered by AA batteries. The system will typically notify you via the app when battery levels are low. Replace batteries promptly to ensure continuous operation. Use high-quality alkaline batteries for optimal performance.

- **Cleaning:**

Wipe the surfaces of all components with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the devices. Ensure sensors are free from dust and obstructions for accurate detection.

- **Software Updates:**

Regularly check the Denver app for available firmware updates for your main control panel and other connected devices. Updates often include performance improvements and security enhancements. Follow the app's instructions for performing updates.

- **System Testing:**

Periodically test your alarm system to ensure all sensors are functioning correctly and emergency notifications are being sent. Inform your emergency contacts before conducting a test.

6. Troubleshooting

- System Not Responding:**

Check if the main control panel is properly connected to power and its indicator lights are on. Verify your home's Wi-Fi connection if the hub relies on it for communication. Restart the main control panel by unplugging it for 30 seconds and then plugging it back in.

- Sensor Not Detecting:**

Ensure the sensor's batteries are not depleted. Check for any physical obstructions blocking the sensor's field of view (for motion sensors) or preventing proper contact (for door/window sensors). Re-pair the sensor with the main control panel via the app if necessary.

- Notifications Not Received:**

Verify that the emergency contact numbers are correctly entered in the Denver app. Check your phone's settings to ensure app notifications are enabled. Confirm that your main control panel has a stable network connection (Wi-Fi or cellular, depending on model capabilities).

- Keypad/Remote Not Working:**

Replace the batteries in the keypad or remote control. Ensure they are within range of the main control panel. If issues persist, attempt to re-pair them with the system through the Denver app.

7. Specifications

Manufacturer	Denver
Model Number	SHA-150
Product Dimensions (L x W x H)	10.8 x 10.8 x 4 cm
Weight	1.29 kilograms
Batteries (for accessories)	2 AA (included)
Color	White, Black
Power Source (Hub)	AC Power Adapter
Voltage	230 Volts (AC)
Installation Method	DIY Wireless
Compatible Devices	Smartphone, Tablet
Connectivity Technology	Wireless
Alert Type	Audio only
Control Method	Mobile App, Keypad, Remote Control

8. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact your retailer. Denver provides customer support for product inquiries and technical assistance.

For further assistance, please visit the official Denver website or contact their customer service department. Contact details can typically be found on the product packaging or the Denver brand store page.

This manual is subject to change without notice. Please refer to the latest version available online.