P ▲ R ▲ D O X™

SR230
Outdoor Wireless Siren with Built-in Strobe Light

Installation Manual

Introduction

The SR230 is a stand-alone, fully supervised outdoor wireless siren with built-in strobe light and wireless transceiver. The SR230 uses 2-way wireless communication, which provides continuous supervision between the panel and siren with fast response to alarm signals within four seconds. With normal use, the SR230 will function up to three years without the need to replace the batteries. The SR230 operates using three 1.5 VDC size "C" alkaline batteries. This guide describes how to install and configure the SR230 wireless siren.
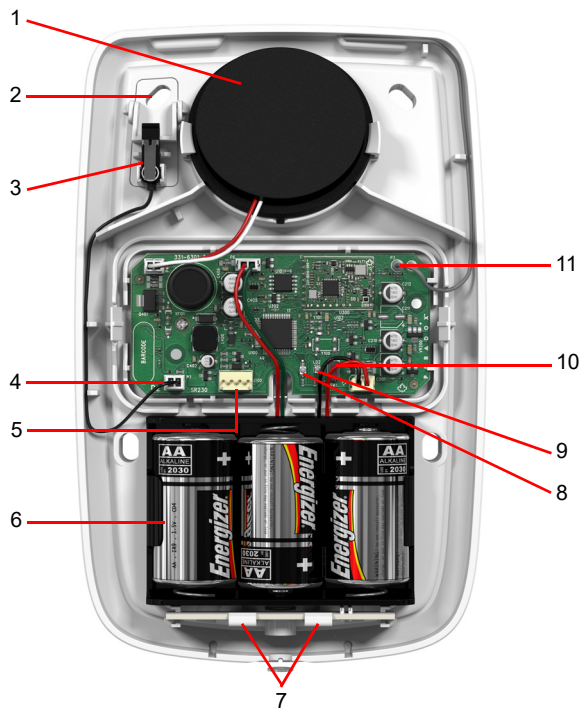
Overview

Figure 1:SR230 PCB View

Number	Description
1	Siren (100 dB or more)
2	Tamper spacer
3	Wall Tamper switch and Cover Tamper switch
4	Tamper switch connector
5	Infield connector
6	Battery pack
7	Strobe lights
8	Status LED
9	Signal Strength / RF transmission LED
10	Learn switch
11	Antenna

Installation

Only qualified persons should install, operate, maintain, and repair this equipment.

1. Write down the serial number (on the back of the unit) and location of the SR230 for later reference, to insert into the Paradox BabyWare software.
2. Remove the top cover from the siren.
   a. Open the lock at the bottom of the siren with a screwdriver.
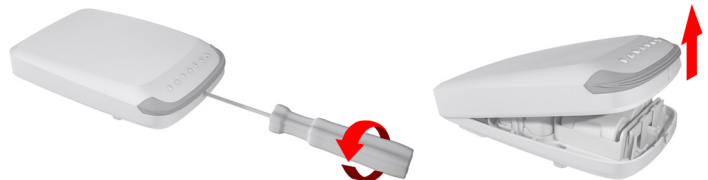   b. Pry the cover apart from the back plate starting from the bottom.

Figure 2: Removing the Top Cover

3. Screw the SR230 siren onto the wall through the four provided holes.
4. Screw the Tamper.

   IMPORTANT: Ensure that the Tamper switch is screwed onto the wall through the Tamper Spacer.

5. Batteries:
   a. If the siren already has batteries installed:
      - Remove the plastic tab between the top battery terminals and the battery compartment
      - Leave the cover off until you learn the siren
   b. If the siren does not have batteries installed:
      - Insert the batteries; ensure correct polarity
      - Leave the cover off until you learn the siren

   Note: We recommend replacing the batteries every three years to avoid leakage.
6. Reinstall the top cover and lock.

LED Feedback

LED	Description
Signal strength/ RF transmission LED	Red blinking: sending data Green blinking: receiving data Amber flash 4x: strong signal Amber flash 3x: good signal Amber flash 2x: weak signal Amber flash 1x: very weak signal (relocate) No flash: no signal
Status LED	Red steady on: powered/normal operation Red slow blink: low battery

Programming

Program the SR230 either through a supported keypad or through the BabyWare software.

Note: Refer to the MG/SP, EVO192 or EVOHD Programming Guide for more details on how to program SR230 wireless sirens.

Programming with a Keypad

LED	Program		
	MG6250	**MG/SP**	**EVO192/HD (requires RTX3)**
	Sections correspond to sirens 1-4 **EXAMPLE**: [0802]: Learn Siren 2 for MG6250.		Sections correspond to sirens 1-8
Learn Siren	[0801] - [0804]	[683] - [686]	[2851] - [2858]
	Press and hold the **Learn** switch for 3 seconds after entering the section to learn the siren. **WARNING**: When pressing the Learn switch, the SR230 squawks and the strobe light flashes five times to confirm siren registration to the panel.		
Assign Partition to Siren	-	-	[2861] - [2868]
Display Signal Strength	[0801] - [0804]	[687] - [690]	[2871] - [2878]
	Press and hold the **Learn** switch for 3 seconds after entering the section to display the siren signal strength that the panel receives. Requires keypad K32LCD V1.3 or higher.		
Label Siren	[0811] - [0814]	[691] - [694]	-
	Labels identify sirens when reporting events (for MG/SP only: via e-mail through the IP Module. For MG6250 through SMS personal reporting) and for troubleshooting purposes. Maximum 16 characters.		
Temporary Tamper Switch Deactivation for Maintenance	[0800]	[695]	[2870]
	Press [ENTER] after entering the section to deactivate tamper alarm until the cover is reinstalled or after 30 minutes.		
Panel Supervision of Siren	[0820]	[587]	-
	ON: Enabled (default) **OFF: Disabled**		
	The control panel supervises the presence of the SR230. If lost, the control panel follows global supervision options set in the control panel.		

Programming with BabyWare

1. Open BabyWare > Connect your Account.
2. In the Main window: Select the **Add Item** button > **Wireless Sirens**.
3. Fill-in the SR230 label, location and serial number.
4. Select **Save.**

Upgrading Firmware

Upgrade SR230 firmware through the Paradox InField software (V5.5.9 or higher) using the 307 USB Direct Connect Interface. The SR230 requires the batteries installed in order to upgrade the firmware.

Note: Ensure that the SR230 is awake before beginning the firmware upgrade. To wake-up the siren, press the learn switch (see #10 in Figure 1). The siren provides you a 60 second delay in order to begin the update.

1. Remove the front cover (see Figure 2).
2. Connect the 307 USB to the InField connector
3. Upgrade according to the firmware upgrade instructions: Go to www.paradox.com > Software > InField Firmware Upgrade Instructions.

Tamper Supervision

If a tamper is detected, the SR230 sounds an alarm and the strobe light flashes for 4 minutes. The control panel follows the global supervision options set in the panel.

Compatibility

The following Paradox products are compatible with the SR230.
- EVOHD v1.20 or higher
- EVO192 v3.20 or higher
- MG/SP series v4.0 or higher (except SP4000)
- MG6250 v3.0 or higher
- RTX3 : SP Series v1.5 or higher; EVO Series RTX3 v5.30 or higher
- BabyWare v5.4.14 (v2.30 for EVO) or higher
- TM50/TM70 v1.0 or higher
- K32+ v1.0 or higher
- K32LCD v1.3 or higher
- K32LCD+ v1.0 or higher
- K32LX v1.0 or higher
- InField Upgrade software v5.5.9 or higher

Specifications

Specification	Description
Power Supply	3x 1.5 VDC "C" alkaline batteries.
Battery life	Up to 3 years based on normal use (e.g., 2 alarms per year with strobe for 2.5 hours and 8 squawks per day at an average of 25ºC (77ºF) with default alarm time set to 4 minutes. If the alarm is set for more than 4 minutes, the battery life may be reduced).
Current Consumption	Standby: 5.75 µA, Maximum: 450 mA
Low Battery Voltage Signal	Signal sent at 3.3 VDC
RF frequency	433 MHz or 868 MHz
RF range	Up to 70m (230 ft)
Siren	100 dBA or more (1 meter) Acoustic output type: Tone *For EN, maximum sound duration should be set to 4 minutes*
Siren Type	Type W
Operating Temperature	-25ºC to 55ºC (-13ºF to 131ºF)
Humidity Range	5% to 90%
Dimensions	13.43 x 21.17 x 5.1 cm (5.29 x 8.34 x 2.01 in)
Weight	365g /12.87 oz., 567g/20 oz. with batteries
Certifications	EN 50131-4, EN 50131-1 Grade 2, EN 50130-5 Environmental Class IV, CE IP Rating: IP54 Certification Body: Applica Test and Certification