



Wireless 2-Way Outdoor Siren



Model: SRO743 / SRO786

Installation and Programming Instructions

Introduction

PIMA's two-way Outdoor Siren is designed to extend the signaling capabilities of PIMA's wireless systems. The wireless siren offers an easy and flexible solution for quick installation. The siren is powered by its own batteries and communicates wirelessly with the security panel.

Up to 3 wireless sirens can be assigned to a system.

Operational Functions

Alarm / Tamper Indication

Upon an alarm condition, the siren will be activated for a period defined by the system (**Siren Time** parameter).

Low Battery Indication

Upon a low battery condition a trouble indication is sent to the panel.

There are 2 types of low battery indications:

- ◆ Radio low battery
- ◆ Speaker low battery

Supervision

Each siren can be defined to be supervised by the panel. The system generates a local fault signal identifying the siren whose signal is not received during a predefined time, followed by a report to the Alarm Receiving Center (if defined).

Cancel Siren Delay

When an entry time starts, the system transmits a pre-alarm signal to the siren.

If the system is disarmed before the entry delay time expires, a cancellation signal is sent to the siren.

If the siren does not receive a cancellation signal within the entry delay time, the siren will be activated.

Siren Self Testing

Once placing all batteries in the battery holders or pressing on the reset switch located on the PCB (with the tamper switch open), the siren performs a functional self-test indicated by a strobe flash and squawk sound.

LED display

The wireless siren has 2 LEDs located on the PCB. These LEDs are enabled when the tamper is open and 10 minutes after the tamper is closed.

Red: Indicates transmission

Yellow: Indicates a low battery

Red and Yellow (3 seconds): Confirms successful enrollment

Mounting the Siren

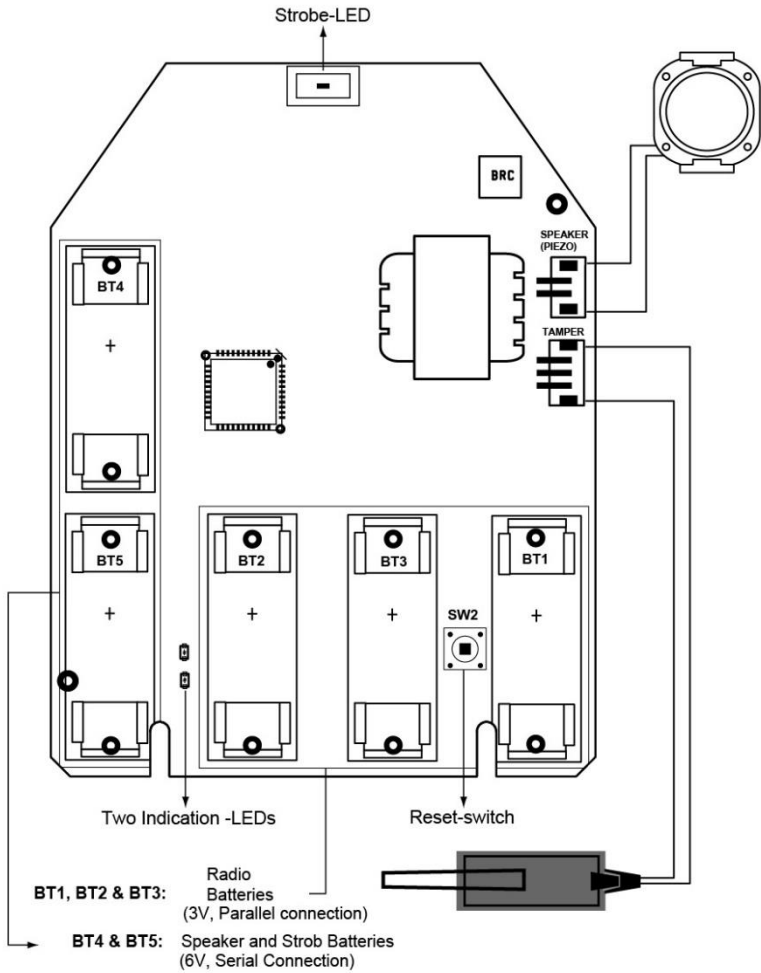
To mount the siren follow this procedure:

1. Open the front cover by removing the case locking screw located at the bottom of the unit.
2. Hold the mounting pattern template (supplied) against the wall and mark the locations for the mounting holes (4 mounting holes are available). Drill the desired mounting holes and place the screw anchors.
3. Mount the back unit to the wall using the supplied screws, 3.9mm, 32mm length screws (DIN 7981 3.9X32 ZP).
4. Insert a tamper screw into a tamper hole. See the figure below.
5. Access to the PCB is gained by releasing the inner cover retaining the clip and lifting the cover upward (rotating it on its axis).
6. Insert the supplied batteries in the metal clips according to the polarity. The siren is ready for communication set up with the system.



Tamper Screw

7. After the siren is programmed and enrolled, Close the inner cover, re-attach the front cover and lock the Cover Screw Assembly.



Outdoor Siren - PCB Diagram

Programming the siren

Programming the wireless siren consists of the following 3 steps:

1. Enrolling the siren in the alarm system
2. Setting siren parameters
3. Testing the siren

Step 1: Siren Enrollment

For complete description of the wireless configuration and device enrollments, refer to Programming Guide for the FORCE and VISION Alarm Systems

Enrollment of the Siren in the system can be performed manually or automatically via the keypad.

Auto Enrolling (using RF Communication):

1. Enter Installer menu, and select:
System Configuration > Peripherals > Wireless Peripherals > Enroll and delete > Sirens > Enroll > Auto Enrollment
2. Unpack the supplied batteries.
3. Insert two speaker batteries and three Radio batteries into the batteries holders.
4. After a squawk is heard and the siren's strobe flashes you have 10 seconds to press on the tamper switch for at least 3 seconds. The serial number should appear.
5. Select Enroll and press ↵.

Manual Enrolling:

1. Enter Installer menu, and select:
System Configuration > Peripherals > Wireless Peripherals > Enroll and delete > Sirens > Enroll > Manual Enrollment
2. Enter the serial number and press ↵.
3. Select Enroll and press ↵.

Enrolling through the Force Manager Software:

You can enroll the detector using Force Manager software; For information refer to the Force Manager Manual.

Step 2: Setting the Siren Parameters

Each siren can be defined with different sets of parameters. The following paragraphs describe the list of parameters of the siren.

**NOTE:**

For the specific programming location of each parameter refer to the system manuals.

Muting Tamper

This feature disables a tamper alarm from the siren, and it is recommended to be used when replacing the siren's batteries.

Cancel siren delay

This wireless siren incorporates a pre-alarm feature that enhances the security of the system by producing a local alarm in case of sabotage.

If defined, the system sends a pre-alarm signal to the siren at the beginning of the entry delay. If the siren does not receive a cancellation signal from the system at the end of the entry time, the siren generate alarm.

(installer Menu > Peripherals > wireless > global settings)

Step 3: Testing the Siren

You can test the siren operation as follows:

Installer Menu > Test and Diagnostic > Outputs > Wireless > Sirens.

You can activate and e-activate the siren to check its operation.

The batteries status can be viewed in: Diagnostic > Wireless Peripherals > Sirens

Replacing Batteries

1. Before opening the siren it is advised to silence the tamper alarm using the Tamper Mute option.
2. Remove the screw from the bottom of the siren cover and open both covers upwards and away from the siren.
3. Remove the old batteries from the metal clips and replace them with the new ones. Pay attention to the polarity.
4. Replace both of the covers on the siren and close the locking screw.



NOTES:

Dispose of old batteries according to your local regulations.
Risk of explosion if battery is replaced by an incorrect type.

Technical Information

Electrical

Power supply	5 x CR123, 3V Lithium batteries 3 batteries for the wireless system 2 batteries for signalling
Battery lifetime	3 years (typical)
Power output	10mW Max.
Siren volume	105 dB @ 1 meter (3.3")
Strobe lens	Polycarbonate
Flash frequency	60 times per minute (max.)
Dimensions (HxWxD)	273 x 230 x 64 mm (10.7 x 9.0 x 2.5 inch)
Weight (including batteries)	1 Kg (2.2lbs)

Wireless

Wireless technology	Bidirectional narrow band
Frequency	868 MHz, 433 MHz
Range	150m (492') Line of sight
Monitoring	YES
Modulation Type	ASK

Environment

Temperature range	- 25°C to 70°C
IP class and IK Rating	IP 44, IK07

Standards

EN50131-4 Grade 2 Environmental Class IV
EN50131-6 Type C

Ordering Information

Model	Frequency	P/N
SRO743	433MHz	8841216
SRO786	868MHz	8841218

UKCA and CE RED Compliance Statement

Hereby, PIMA declares that this equipment is in compliance with the essential requirements of the UKCA Radio Equipment Regulations 2017 and CE Directive 2014/53/EU.

For the UKCA and CE Declaration of Conformity please refer to our website:
www.pima-alarms.com

Limited Warranty

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Read this guide in its entirety before attempting to program or operate your system. Should you misunderstand any part of this guide, please contact the supplier or installer of this system.

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