

# SIRPZ-RB-868 Battery powered indoor wireless siren

SIRPZ-RB-868 is an indoor wireless siren with high-power piezoelectric horn, self-powered with batteries, used for internal signaling of alarms, with indication of system arming and disarming.

The siren is also equipped with a wired output which is activated at the same time as the alarm sound.

**PLEASE NOTE.** Before definitively fixing the siren, carry out some transmission tests towards the control panel to check that the position is adequate.

## 1. Identification of parts

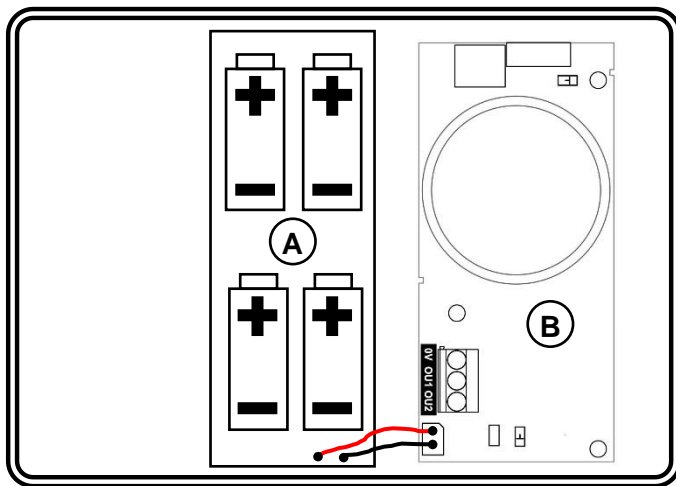


Figure 1 – Identification of parts

A – Battery holder

B – Electronic board

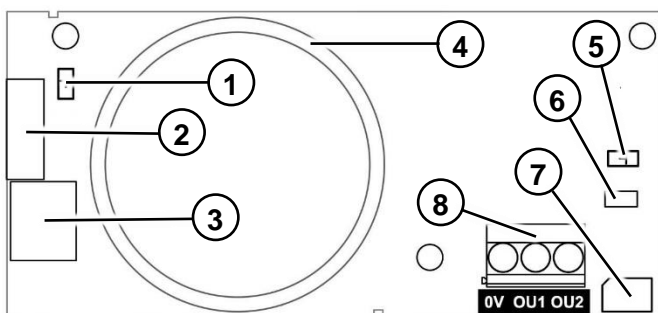


Figure 2 – Scheda elettronica

1 – LED1

5 – LED2

2 – Anti-removal tamper

6 – JP1 jumper

3 – Settings Dip-switch

7 – BAT connector

4 – Piezoelectric horn

8 – Output terminals

## 2. Powering the siren

Insert 4 batteries in the battery holder A (Figure 1) and connect the cable to the BAT connector (Figure 2 ref. 7).

**ATTENTION - RESPECT THE POLARITY**

## 3. Dip-switch

DIP	Function	OFF	ON
1	Siren tone	Tone 1 (2000/2600 Hz)	Tone 2 (3000/2600 Hz)
2	Output logic	IMPULSIVE Active 2 sec at the start of alarm	ON/OFF Active during the alarm sound
3	Control Panel Model	CE-LAN	EZY-LAN
4	Mode	Normal operation	Wireless enroll

**PLEASE NOTE.** The position of DIP3 (for the selection of the panel model) is checked only when the siren boot. In case of modification disconnect the battery, wait a few minutes and reconnect the battery.

## 4. Wireless enroll

To enroll the siren on the control panel (CE-LAN or EZY-LAN), proceed as follows:

1. Log in as **INSTALLER** on the control panel
2. Enter **SETUP> DEVICES> ADD NEW DEVICES**. The control unit waits for the sensor to be enrolled
3. Enter **ENROLL MODE** on the siren (DIP4 = ON)
4. Press the siren **TAMPER** button (Figure 2 ref. 2)
5. Check that the control panel has learned the code
6. Exit the **ENROLL MODE** on the siren (DIP4 = OFF)

## 5. Siren settings

Once the siren is enrolled, it is possible to set its sound functions directly on the control panel setup. Follow the control panel manual for details

## 6. Acoustic and visual signalling

Event	LED1	LED2	SIREN
High Alarm (L2)		on	High intensity Sound
Low Alarm (L1)			Low intensity Sound (*)
Entering setup			5 beeps
Exiting setup	2 flashes		2 beeps
Arming	1 flash (*)		1 beep (*)
Disarming	3 flashes (*)		3 beeps (*)
Wireless enroll	Continuous flashing		

(\*) If enabled in the control panel configuration

## 7. Output

The output is activated simultaneously with the alarm sound (Figure 2 ref. 8). The output can be set in two electric modes via the jumper JP1 (Figure 2 ref. 6). See details in the table below.

JP1	Output electric mode	Terminal usage
CLOSED	POSITIVE VOLTAGE TO GIVE	0V=GND
		OU1=GND at rest OU1=+6Vdc in alarm
		OU2=+6Vdc
OPEN	DRY CONTACTS NORMALLY OPEN OPTOMOS	Contacts OU1 + OU2 OPEN at rest CLOSED in alarm

**ATTENTION: The output must not be used to power other components (eg signaling LEDs or other devices).**

## 8. Operation

The siren is bidirectional, therefore it receives and transmits radio packets to communicate with the alarm control panel and act accordingly. Each transmission waits for a confirmation response, otherwise it is repeated.

Radio information sent by the control panel:

- System armed / disarmed
- Entry / Exit from SETUP
- High level alarm (High power sound)
- Low level alarm (Sound with intermittent beeps)
- End of alarm (Siren silence)

Radio information sent by the siren:

- Tamper manumission
- Battery level
- Supervision

## 9. Auto-protection

The device is equipped with anti-opening protection. If enabled, the tamper alarm is active 24H, even at system disarmed (excluding when the control panel is in "SETUP"). When the siren cover is opened, the tamper code is sent to the control unit and both start to ring.

Once the tamper alarm has been triggered, it is disabled until the next ARMING of the system.

Following a tamper alarm, it is therefore necessary to arm the system at least once to reactivate it.

**NOTE: when the siren is new to enable the tamper it is necessary to perform at least one arming.**

## 10. Battery

The battery level is constantly monitored and sent to the control panel. The status of the battery can be viewed in real time on the Software / Application. In case of low battery, the control panel records it as an event and, if programmed, notifies the user.

**CAUTION:  
DANGER OF EXPLOSION IF THE BATTERY IS REPLACED BY ANOTHER INCORRECT TYPE.  
DISPOSE OF USED BATTERIES FOLLOWING THE INSTRUCTIONS.**

## 11. Warnings and precautions

- The installer must follow the current regulations. The manufacturer declines all responsibility in the event of improper use by the user or incorrect installation by the installer
- Handle the battery carefully. Explosion and fire hazard. Do not throw the battery into a fire, do not weld or damage the battery. Replace the battery only with one of the same type. Have the battery replaced by a specialized technician
- Dispose of used batteries according to the regulations in force, even if the equipment is no longer in use. In case of leakage of liquid, protect your hands with special gloves

## 12. Technical features

Power supply	6Vdc (4 lithium batteries 3V type CR123A)
Consumption	Stand-by: about 70 $\mu$ A Alarm: about 220 mA
Battery life	About 2 years (4 activations/day + 12 alarms/year)
Alarm limitation	max 5 alarms for each arming
Alarm duration	Settable on control panel - Limited to max 90 seconds
Acoustic power	140 dB/m
Frequency	869,650 MHz
Radio range	Up to 1000m (open field)
Dimensions	160 x 120 x 55mm (LxHxD)



### EU DECLARATION OF CONFORMITY

Hereby, DUEVI declares that the radio equipment type "Battery powered indoor wireless siren" mod. SIRPZ-RB-868 is in compliance with Directive RED 2014/53/EU. The full text of the EU Declaration of Conformity is available at the internet address [www.duevi.eu](http://www.duevi.eu)