

# VV-ZELA-RB-868 Battery powered outdoor wireless siren

VV-ZELA-RB-868 is a self-powered outdoor wireless siren with a high-power magnetodynamic horn, used for external alarm signaling, indicating the arming and disarming of the system.

**ATTENTION**  
**SELECT THE POSITION OF DIP4 BASED ON THE TYPE OF BATTERY USED**

**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

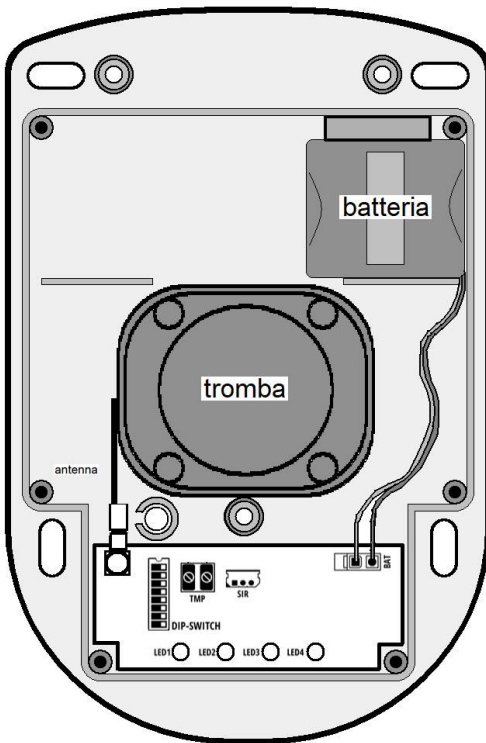


Figure 1 – Identification of parts

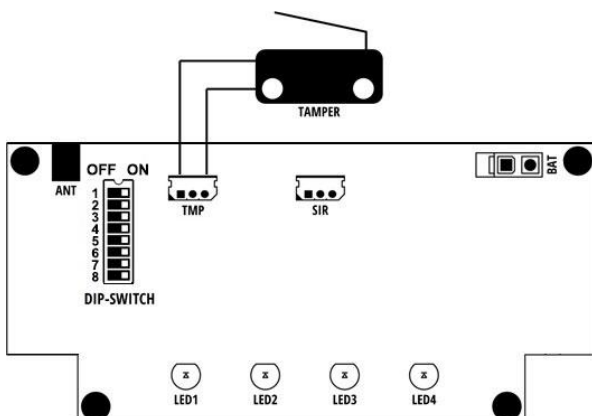


Figure 2 – Electronic board

### REFERENCES ELECTRONIC BOARD

TMP	Tamper connector
SIR	Trumpet magnetodynamic connector
BAT	Battery Connector
ANT	Antenna Connector
DIP-SWITCH	Switches for settings
LED1-2-3-4	High power LEDs for signaling

## 2. Dip-switch

DIP	Function	OFF	ON
1	Mode	Normal operation	Wireless enroll
2	Tamper	DISABLED Siren tamper does not make the siren sound	ENABLED Siren tamper makes the siren sound
3	Control Panel Model	CE-LAN	EZY-LAN
4	Battery type	7.2V LITIO	7.5V ALKALINE
5	NOT USED	LEAVE OFF	
6			
7			
8			

**PLEASE NOTE.** The position of DIP3 and 4 is checked only when the siren boot. In case of modification disconnect the battery, wait a few minutes and reconnect the battery.

## 3. 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 (DIP1 = ON)
4. Press the siren **TAMPER** button (9)
5. Check that the control panel has learned the code
6. Exit the **ENROLL MODE** on the siren (DIP1 = OFF)

To confirm that the siren has been learned, two beeps will be issued accompanied by the flashing of the siren LEDs. In case of missed learning repeat the operation.

## 4. 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

## 5. LEDs signals

The LEDs on the device provides the following indications:

- Continuous flashing during alarm
- One long flash during arming (if enabled in the control panel)
- Three short flashes during disarming (if enabled on the control panel)

## 6. 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. The siren emits audible and visual alarm alerts.

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

## 7. Auto-protection

The device is equipped with anti-opening and anti-removal protection. If enabled, the tamper alarm is active 24H, even when the system is disarmed (excluding the case in which 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.**

## 8. 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.

When replacing the battery it is important to place it away from the antenna, in fact if the battery is placed near the antenna it could reduce the range. For correct battery installation, refer to figure 1.

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

## 9. 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

## 10. Technical features

Power supply	Lithium battery 7,2V - 13Ah (mod. BAT7V2LIT10) Alkaline battery 7,5V - 13Ah (mod. BAT7V5SIR)
Consumption	Stand-by: about 50 µA Alarm: about 850 mA
Battery life	About 2 years (4 activations per day + 50 alarms).
Alarm limitation	max 5 alarms for each arming
Alarm duration	Limited to max 90 seconds (settable on the control panel)
Acoustic power	115 dB / m
System status reports	ARMING → long flash + 1 beep (programmable on panel) DISARMING → 3 short flashe + 3 beeps (programmable on panel)
Frequency	869,650 MHz
Temperature	-5°C / +45°C
Dimensions	310 x 210 x 85 mm (HxLxP)



### EU DECLARATION OF CONFORMITY

Hereby, DUEVI declares that the radio equipment type "Battery powered outdoor wireless siren" mod. VV-ZELA-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)