



COMPLIANT  
CEI EN 50131-4:2010-08



# SR136

SELF-POWERED SIREN FOR EXTERNAL

TECHNICAL MANUAL



## ENGLISH DESCRIPTION

SR136 is a self-powered siren for external that meets the various installation requirements.

Besides the possibility to select different sounds and activation ways, SR136 is able to report the system status ( armed / disarmed ), the alarm memory, the power anomalies.

All siren functions are handled by the microcontroller, so the programming is easy and intuitive.

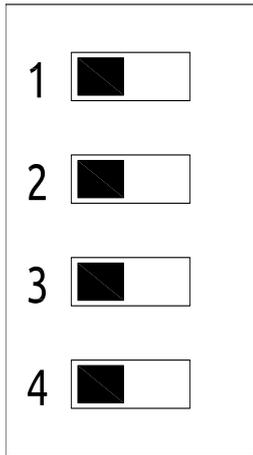
All functions are selectable via DIP-SWITCH ( there are 2 sets of dip switches, MODE and FUNCTIONS ).

The siren is protected against accidental activation, in fact every time you change the configuration the siren emits a sound indicating that the system is ready. In the case of 2-wires configuration is necessary to give 2 times the launch voltage.

NOTE: pay attention to the setup confirmation sound, which is emitted from the speaker.

## LIST OF ACTIVATION MODES (DIP MODE)

SR136 has the following modes of activation:



**- start trigger: S TERMINAL**

positive missing = **dip 1 OFF**

negative missing = **dip 1 ON**

**- system status trigger ARMED: A TERMINAL**

trigger on A terminal with Negative = **dip 2 OFF**

trigger on A terminal with Positive = **dip 2 ON**

**- lamp and speaker separated triggers:**

unique trigger ( speaker and lamp on S terminal ) = **dip 3 OFF**

speaker on A terminal and lamp on S terminal = **dip 3 ON**

**- 2-wires function:**

traditional ( 2 power supply wires, 1 wire for alarm trigger ) = **dip 4 OFF**

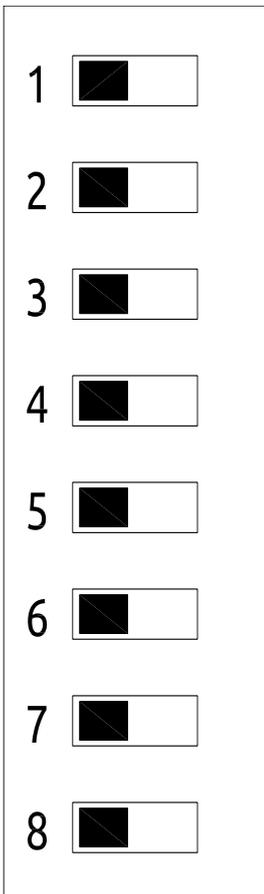
2 power supply wires with starting immediately = **dip 4 ON**

**note 1: the polarity for separated triggers is always controlled by dip 1 and dip 2**

**note 2: the starting of 2-wires function takes place after the second activation**

## FUNCTIONS LIST ( DIP FUNCTIONS )

SR136 has the following functions that can be activated INDIVIDUALLY **BRINGING ON** the corresponding dip:



**- Sound alarm memory ( DIP 1 ON ):**

a melody sounds when you switch off the system after an alarm

**- Visual alarm memory ( DIP 2 ON ):**

continue fast flashes after an alarm when the system is armed ( it turn off when the system is disarmed )

**- Sound system status indication ARMED / DISARMED ( DIP 3 ON ):**

it emits 3 beep when you arm the system, 1 long beep when you disarm the system

**- Visual system status indication ARMED / DISARMED (DIP 4 ON):**

it emits 3 flashes when you arm the system, 1 long flash when you disarm the system

**- fixed signaling of system ARMED ( DIP 5 ON ):**

when the system is armed gives a double flash

**- siren OK indication " stand by " ( DIP 6 ON ):**

it emits a short flash every 10 seconds when the siren is operating properly

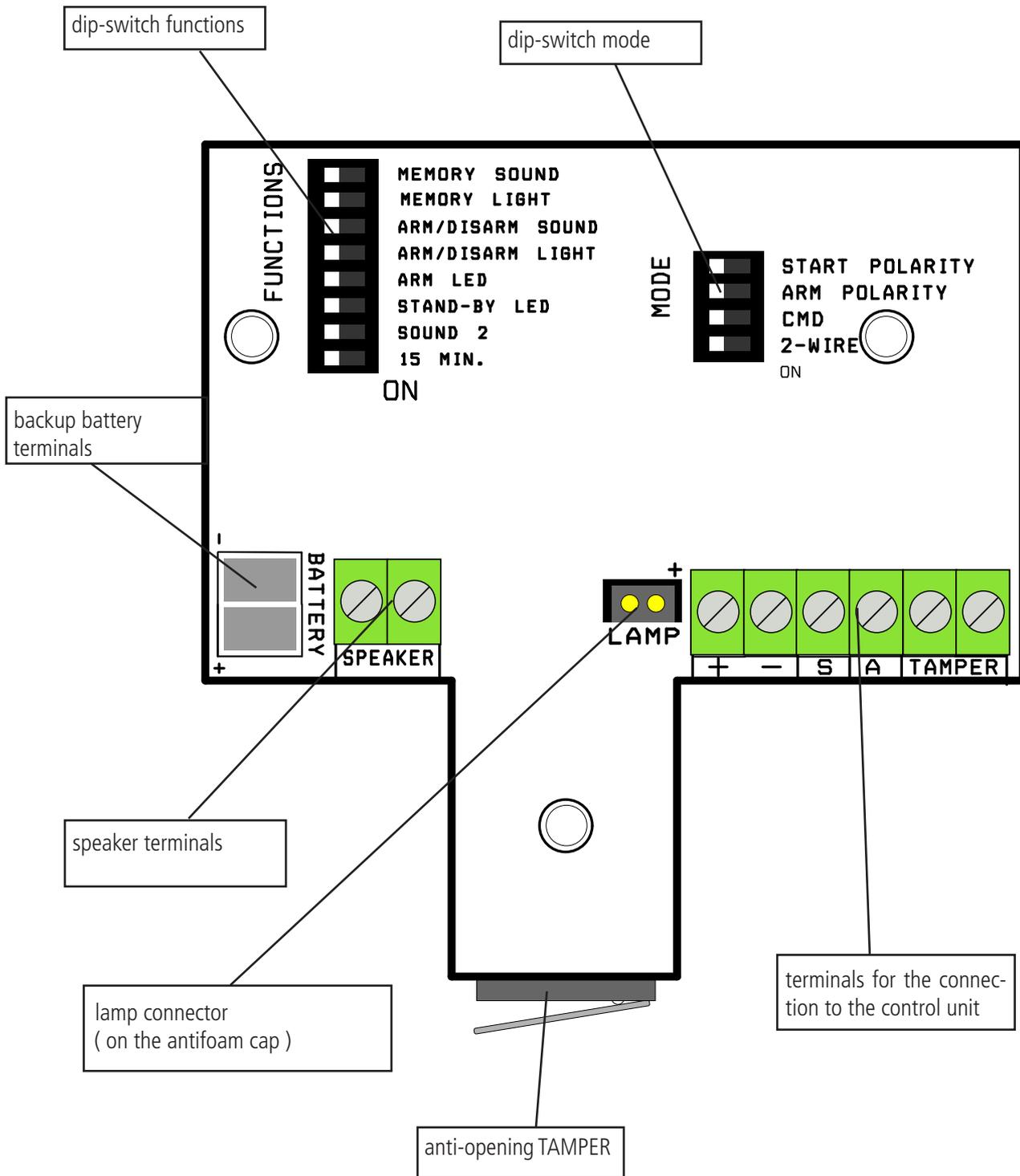
**- change type sound ( DIP 7 ON ): loss of Omologation**

Change the type of sound ( from 1400Hz/1700Hz to 1400Hz/1600Hz )

**- timing of the siren ( DIP 8 ON ):**

Increases the maximum duration of the siren sound without system control from 3' to 15'

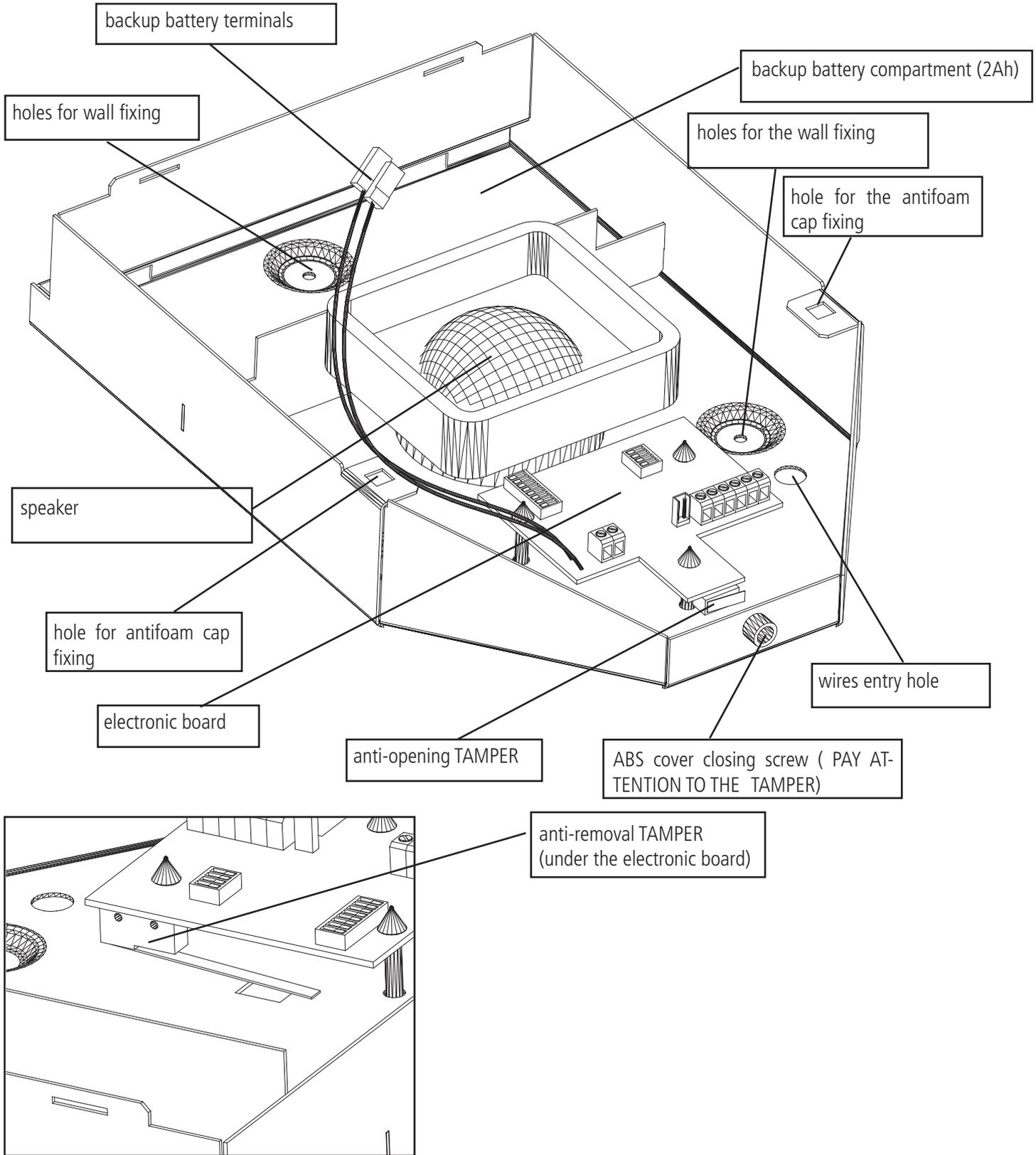
# DESCRIPTION OF THE ELECTRONIC BOARD



- **terminals + -** = siren power supply ( 13.8Vcc )
- **TAMPER** = terminals for the connection to the control unit tamper line
- **terminal S** = siren activation trigger
- **terminal A** = control unit status trigger ( need to get the sounding and / or bright signalling )

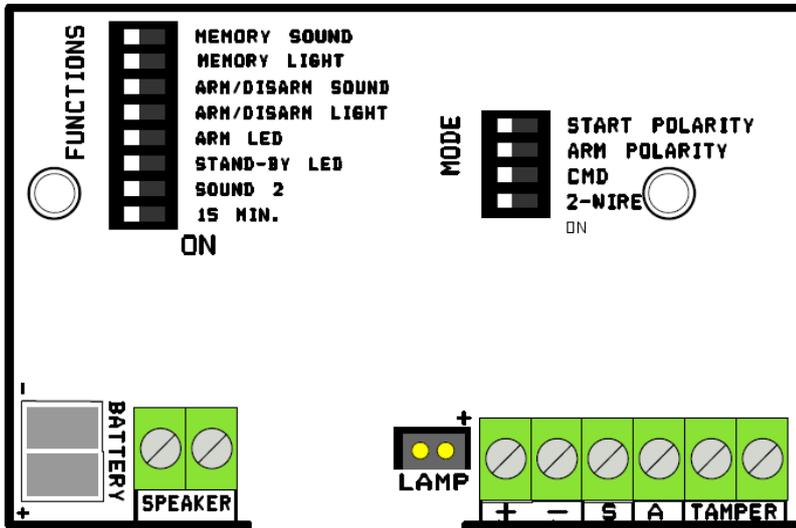
# MOUNT SIREN

The siren board and the other components are housed inside a metal box:



The installation expect the of a screw fixed to the wall, whose head will press the tamper anti-removal microswitch, positioned on the underside of the board.

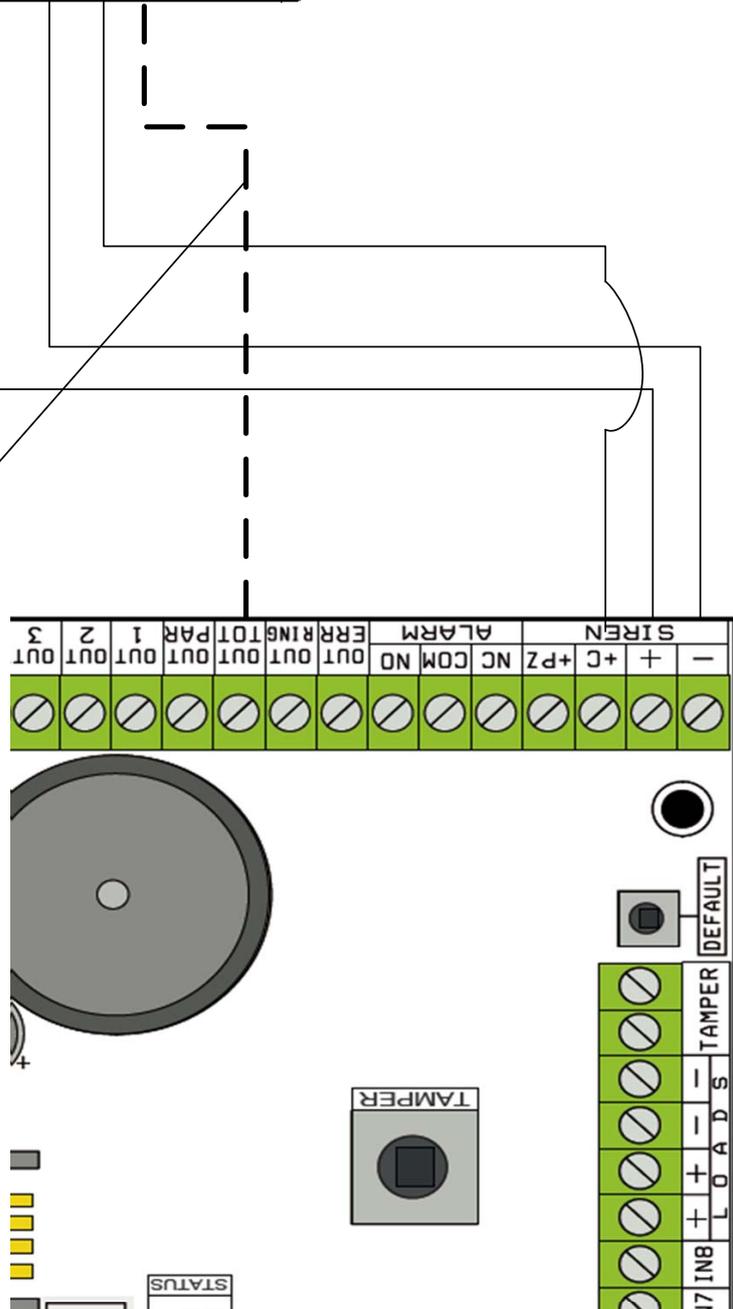
**Note: bending the metal tab of the microswitch for the same function will void the certification.**



Traditional connection scheme with positive missing: all dip in OFF position. Connect power supply, and only the S terminal to the control unit.

Note 1: if you want to activate the STAND BY led position the relative DIP in ON, see instruction.

Note 2: if you want to activate the system status notification with one of the two configuration described in the manual connect a system status output to the A terminal.



**Meets the requirements:**  
**Conforme ai requisiti:**  
**CEI EN 50131-4:2010-08**  
**Grade 2**  
**Class 4**



## TECHNICAL SPECIFICATION

Power supply	13,8Vcc rated
Maximal current	1.3A
Minimum trigger voltage ( positive missing )	6Vcc
Fundamental frequency	1400Hz / 1700Hz
Secondary frequency	1600Hz / 3500Hz
Sound pressure	110dB@1mt
Maximal sound period	15'
IP grade	IP54
Operative temperature range	from -25°C to +55°C
Backup battery	12V 2.2Ah
Anti-opening	•
Cover	steel / ABS
Weight	
Dimensions	

Installation must be carried out following the local installation norms by qualified personnel

AMC Elettronica S.r.l. refuses any responsibility when changes or unauthorized repairs are made to the product/system.

It is recommended to test the operation of the alarm product/system at least once a month. Despite frequent testing and due to, but not limited to, any or all of the following: tampering, electrical or communication disruption or improper use, it is possible for the product/system to fail to prevent burglary, robbery, fire or otherwise. A properly installed and maintained alarm system can only reduce the risk that this happens.