



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.

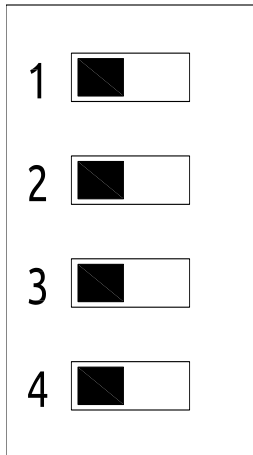
All functions are selectable via DIP-SWITCH ( there are 2 sets of dip switches, MODE and FUNCTIONS ).

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**

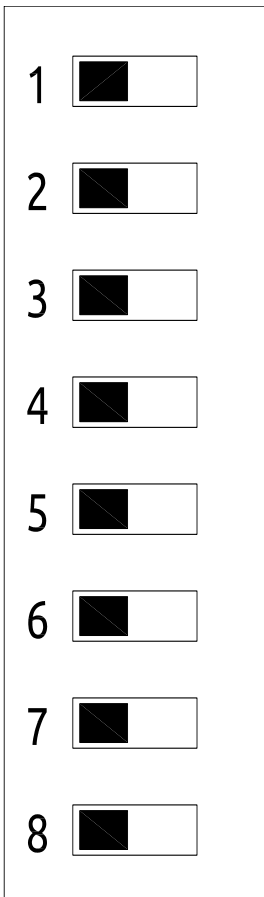
2 power supply wires with starting immediately = **dip 4 ON**

**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

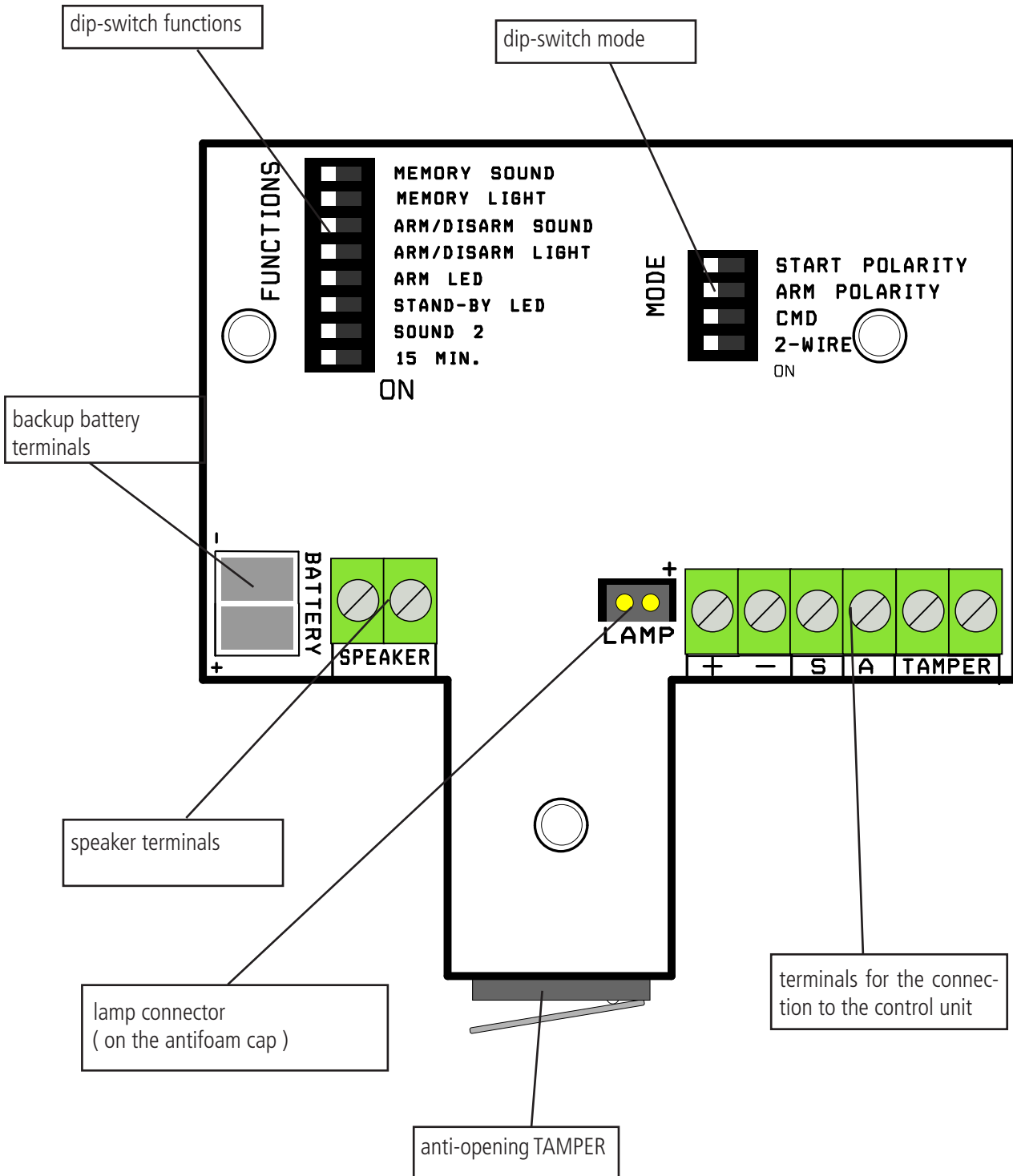
**- change type sound ( DIP 7 ON ): loss of Omologation**

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'

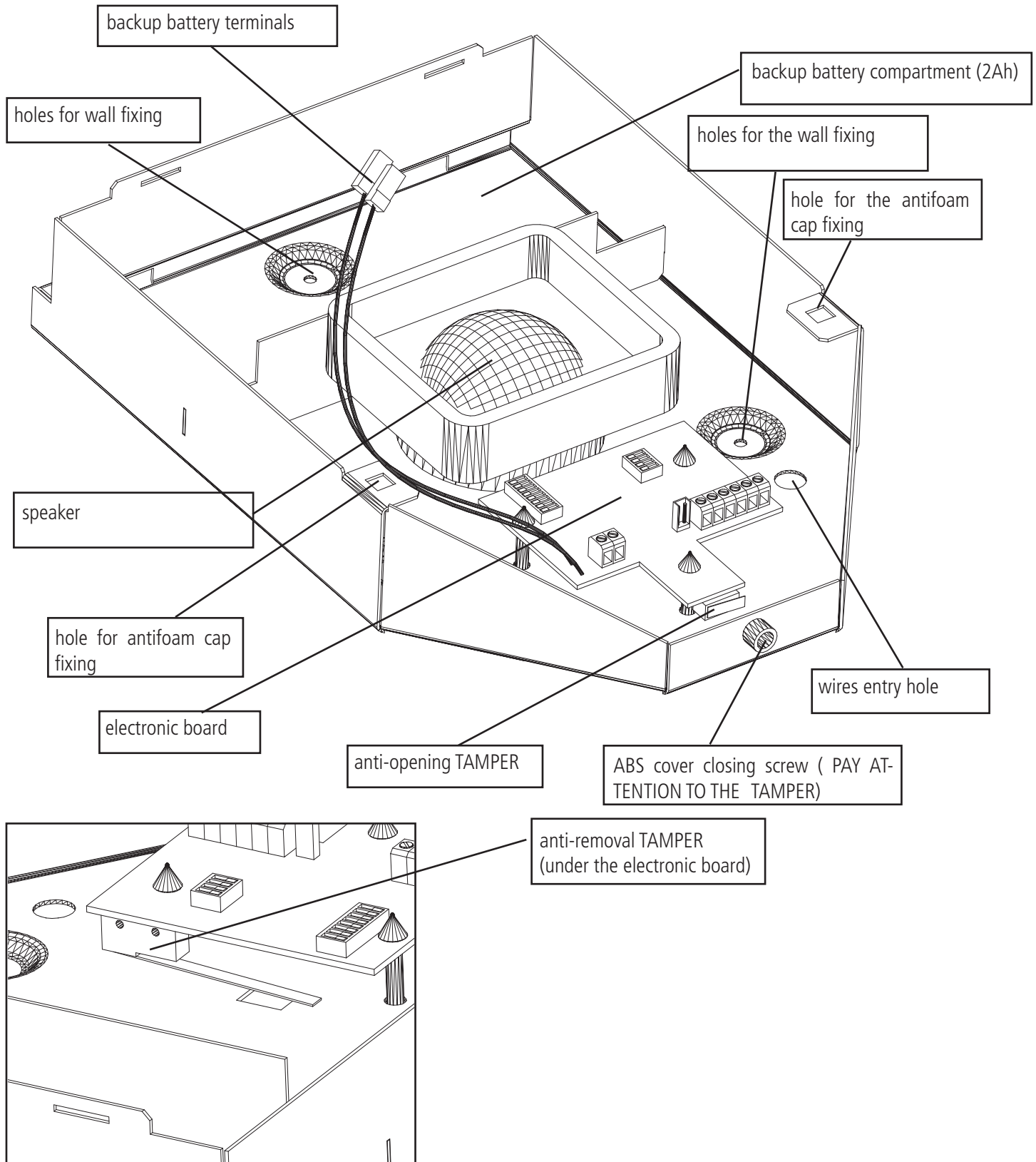
# DESCRIPTION OF THE ELECTRONIC BOARD



- **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 )

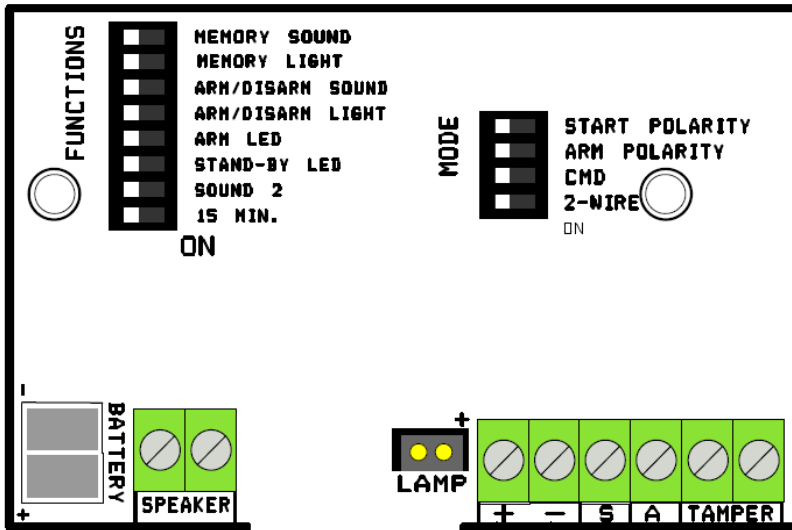
## MOUNT SIREN

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



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

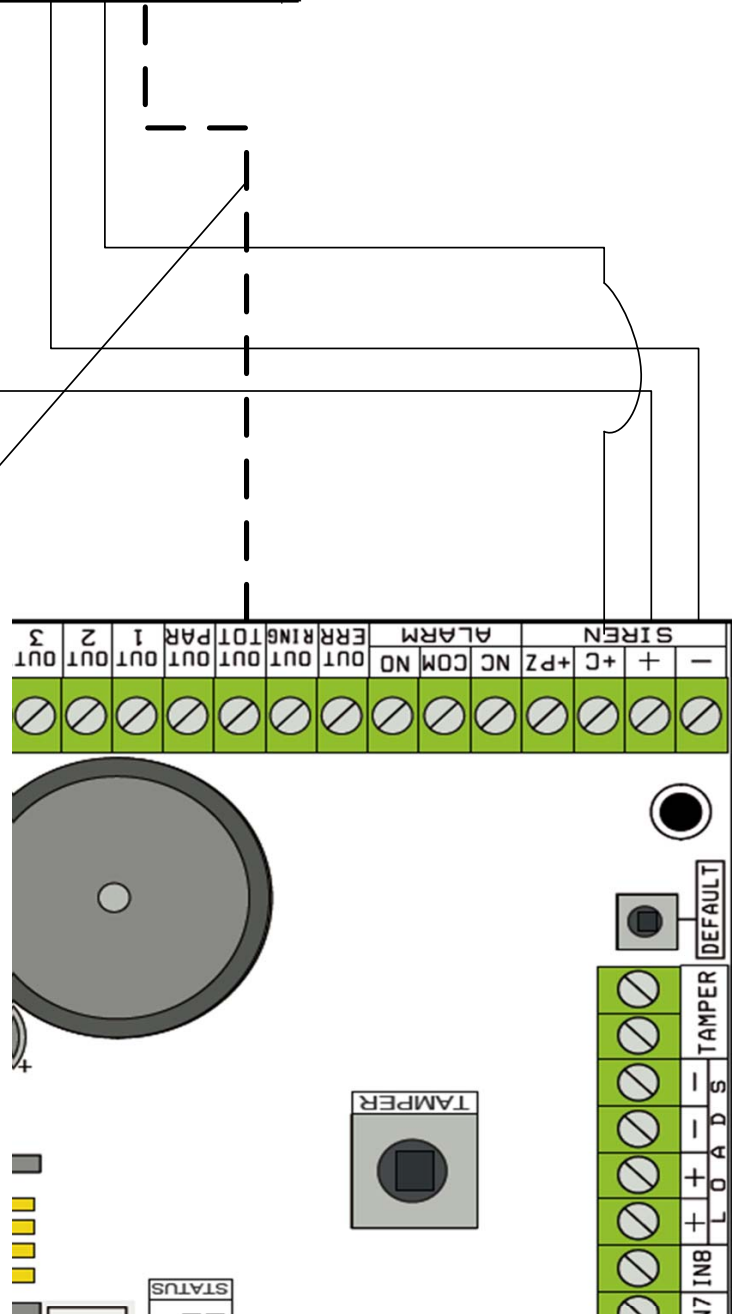
**Note: bending the metal tab of the microswitch for the same function will void the certification.**



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.**