

AVAILABLE MODELS

VV-ZELA Siren with full anti-foam protection grill.

TECHNICAL DATA

Main frequencies	1562/1600 Hz and 1350/1675 Hz
Acoustic pressure	106 dB(A) (at 3 m)
Nominal power tension	13.8 V
Minimum power tension	10.5 V
Maximum power tension	14.5 V
Absorption at rest	25 mA at 12 V
Absorption in alarm	1.9 A at 12 V
Ringling time	Programmable, 3 or 12 minutes
Tamper	50 mA / 12 V
Operative environmental conditions	Temperature: - 25 °C / +55 °C Relative humidity: 80%
LED	High effectiveness
Allocable accumulator	12 V / 2,1 Ah
Container protection level	IP34
Dimensions	210 x 310 x 85 mm
Weight	1.9 Kg

VV-ZELA_Ver20120925 (2014-04-1.1)



VV-ZELA
OUTDOOR SIREN

DESCRIPTION

The outdoor sounder VV-ZELA is a self-powered siren, designed following CEI 79/2 rules, it can be installed thanks to its connection and programming versatility combined with any type of control panel. Modern design container formed by an ABS base and a polycarbonate cover. Inside, a strong metallic container protects the circuit, the battery and the trumpet. LED blinking at high intensity decreases the absorption. Particular construction details permit an easy installation, furthermore the complete modularity simplifies next maintenance operations. Self-protected against the cover opening and the removal from the wall, the protective internal shield makes it untouchable by foams. The special profile make extremely difficult the removal from the wall made by ropes.

INITIAL BLOCK

The acoustic warner is provided with initial block function, that simplifies the installation and startup of the siren, avoiding alarm sounding when you first power it by battery.

PROGRAMMING BY DIP-SWITCH

The siren is provided with a programming DIP-switch with 6 cables to select the most appropriate functions for you.

DIP1 - ALARM COMMAND

The siren is provided with two different alarm command inputs (**C+** and **C-**), a positive command and a negative command, by **DIP1** it is possible to program the command type.

DIP1 = ON: **C+** or **C-** normally closed to have the siren at rest

DIP1 = OFF: **C+** or **C-** normally open to have the siren at rest

DIP2 - MAXIMUM ALARM TIME

By the **DIP2** it is possible to program the maximum sounding time, choosing between two possible timings: 3 or 12 minutes.

N.B.: Obviously sounding cycle is always managed by the control panel to which the siren is connected, and as consequence, maximum sounding time occurs only when, due to failure, the control panel is not able anymore to manage the siren.

DIP3 - AUTO-EXCLUSION COUNTER

By the **DIP3** it is possible to include or exclude the alarm counter. With the counter excluded, the siren is enabled to make infinite alarm cycles, with the counter excluded on the other side the siren can only make up to 7 alarm cycles after which the siren excludes its-self (the exclusion doesn't affect the flash working). The auto-exclusion happens connecting to **BL** clamp a positive tension, typically the command of block of the control panel (the command can be continuous or impulsive).

DIP4 - SOUND TYPE SELECTION

Via **DIP4** it is possible to choose the type of modulation desired.

DIP5 - ALARM SYSTEM FLASH ON SIGNALLING

Via **DIP5** it is possible to enable the "system ON" signalling on flash.

DIP5 = ON: when system is armed the flash blinks (3 blinks every 5 sec.) until disarming

DIP5 = OFF: the blinking of flash is disabled

DIP6 - SEGNALAZIONE ON IMPIANTO SU SINGOLO LED

Via **DIP6** it is possible to enable the "system ON" signalling on LED **L1** of the flash.

DIP6 = ON: when system is armed the LED **L1** (of the flash) blinks

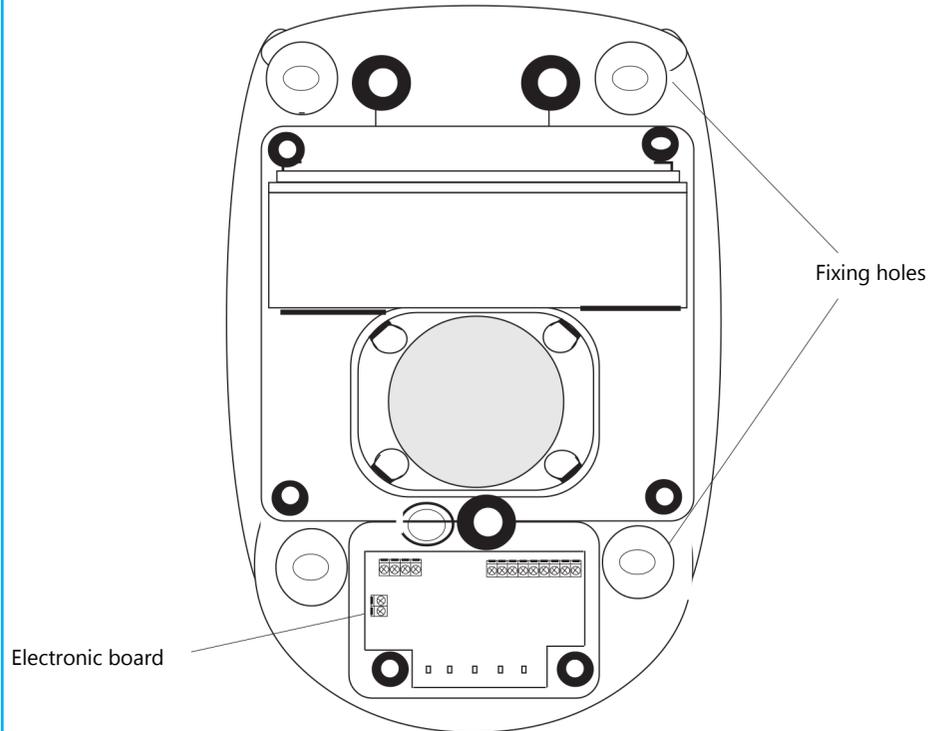
DIP6 = OFF: the blinking of flash is disabled

INSTALLATION

Drill four holes on the wall with 9 mm diameter, please use iron dowels.

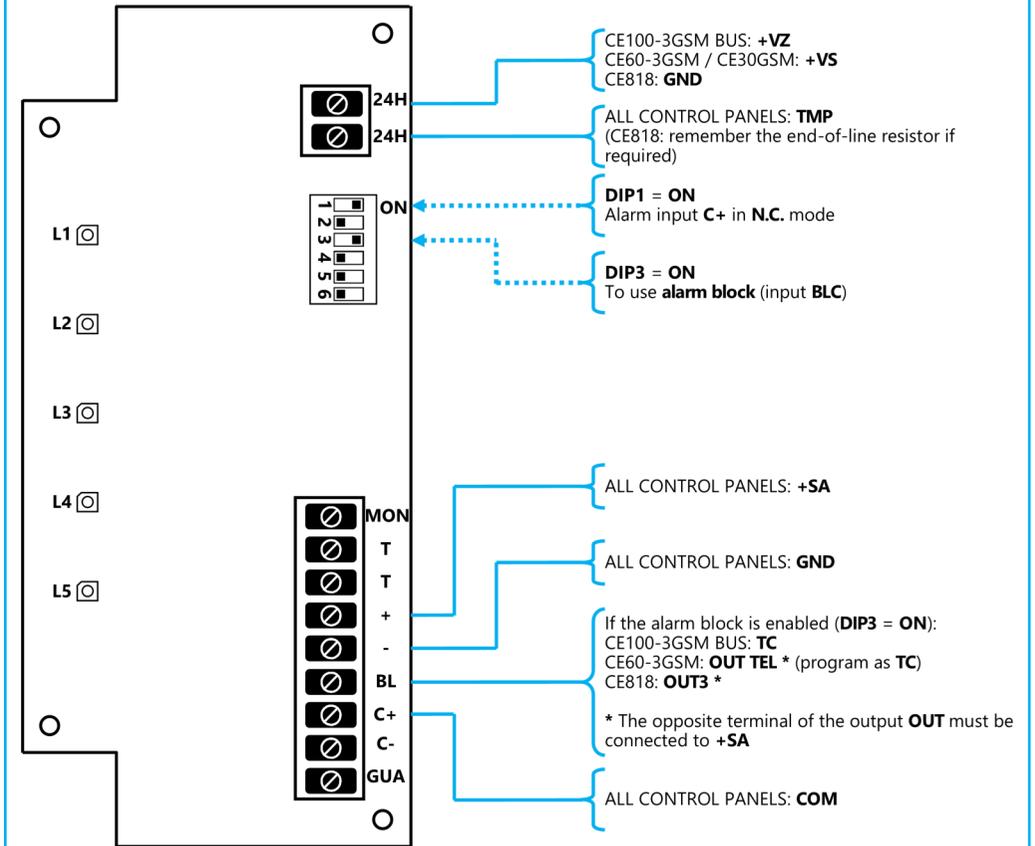
To obtain the anti-removal protection, drill - in correspondence of the anti-removal microswitch - a hole of about 5 mm, then fix the siren to the wall, adjust if necessary by the appropriate screw the intervention of the anti-removal microswitch.

Connect two wires of the anti-removal microswitch to 24h clamps of the siren, then connect in parallel the wires of the 24h protection coming from the control panel.



PANEL BOARD DESCRIPTION

MON	Not used
T	Trumpet (connected in the factory)
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+	Positive power supply
-	Negative power supply
BL	Positive block command (reset flash)
C+	Positive alarm command
C-	Negative alarm command
GUA	Output for break signalling (negative in break)
AC	Not used
24H	24H line
24H	24H line
AP	Not used



DIP-SWITCH PROGRAMMING

DIP1	ON	NC command for inputs C+ and C-
	OFF	NO command for inputs C+ and C-
DIP2	ON	Max sounding time 12 minutes
	OFF	Max sounding time 3 minutes
DIP3	ON	Alarm counter enabled (max 7 cycles) and flash signalling
	OFF	Alarm counter disabled
DIP4	ON	Siren sound type A
	OFF	Siren sound type B
DIP5	ON	Flash blinking for "system ON" enabled
	OFF	Flash blinking for "system ON" disabled
DIP6	ON	Blinking of LED L1 for "system ON" enabled
	OFF	Blinking of LED L1 for "system ON" disabled