

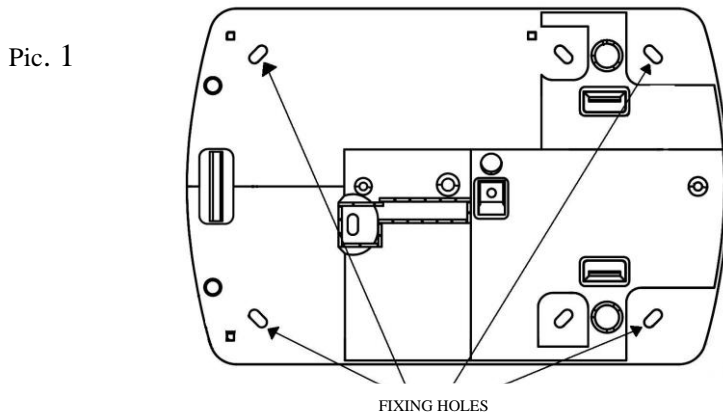
OUTDOOR FIRE SOUNDER SELF-POWERED SIREN DOGE F24

Features:

Doge F24 siren has been conceived for acoustic and optical signaling of fires. All materials utilized to produce it comply to fire system requirements and the housing is built with fireproof materials. The siren has to be installed by qualified personnel only, respecting all installation norms and adequate distances and highness to get the best optical and acoustic performances.

Installation:

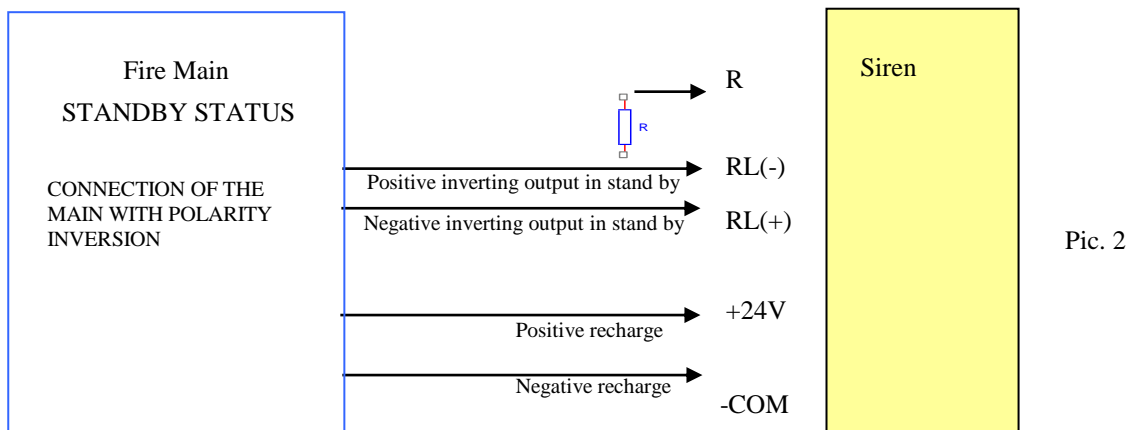
Fix the Siren on the wall through the 4 holes on its base (see Pic. 1).
Use an adapter to connect all cables in case of a system with external tubes.



Connection:

Connection: with 4 wires

- Connect the main output with “**polarity inversion**” to the terminal RL(+) of the siren (negative in standby) and the 24 Vcc power supply for battery recharge to terminals – COM and + 24 V. Moreover, insert the end-of-line R resistor between the RL (-) and R (pic.2) terminals. The value of the end-of-line R resistor depends on the kind of main installed, and it is indicated in the main installation manual.



In case of alarm, the main will invert the inverting output activating the siren, while if the wire is cut, the main will detect the changing of the inverting line status going in alarm, but without activating the siren.

Signalings:

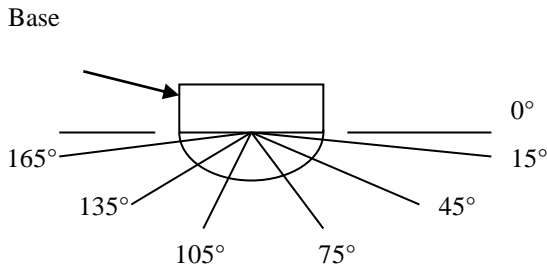
The siren Doge F24 is managed by a microprocessor able to check the battery and the speaker. In case of anomaly it sends a negative open collector signal to terminal OUT TEST while the check led of the circuit in the siren indicates the kind of failure according the number of flashings followed by a short pause.

The microprocessor performs automatically the check of battery current each 32 days, and if is not passed, it sends 3 **negative impulses** to terminal n. 7 and the anomaly **led** performs 3 flashings followed by a short pause. The microprocessor makes o a self-test too in each moment and in case of failure or malfunctioning it sends a **negative output** to terminal n. 7 with block of the sound.

ANOMALY AND SIGNALIZATIONS SCHEDULE	OUT TEST ANOMALY OUTPUT N°7	RED LED OF ANOMALY
SPEAKER INTERRUPTION IN STAND BY	6 NEGATIVE IMPULSES	6 FLASHINGS
SPEAKER INTERRUPTION IN ALARM	5 NEGATIVE IMPULSES	5 FLASHINGS
SIREN DAMAGED DRIVERS	4 NEGATIVE IMPULSES	4 FLASHINGS
BATTERY FAILURE (test performed each 32 days)	3 NEGATIVE IMPULSES	3 FLASHINGS
NOT SUFFICIENT BATTERY TEST (test performed during the alarm)	2 NEGATIVE IMPULSES	2 FLASHINGS
NOT SUFFICIENT BATTERY (omnipresent test with threshold below 9V)	1 NEGATIVE IMPULSE	1 FLASHING

The signaling indicated in the schedule are recorded until the the sirens goes in alarm or until a negative is taken to Reset terminal.

Sound level:



Tab. 1

Angle	Sound level at 1 m
15°	95 dB(A)
45°	98 dB(A)
75°	101 dB(A)
105°	102 dB(A)
135°	98 dB(A)
165°	95 dB(A)

Technical features of the Fire Siren:

- Nominal power supply (Vn) : 24 Vdc (from 22 Vdc to 28 Vdc)
- Buffer battery : 12V – 2,2Ah
- Maximum recharging current from main Vn: 0,5A max
- Power: 12W
- Sound level : See tab.1
- Protection level: IP33C
- Operating temperature: from –25 °C to +70 °C
- Frequency: 1000 Hz/1700 Hz



WASTING:
This product must be wasted in appropriate wheelle-bin for electric and electronic materials.
Do not put in weelle-bin for other kind of waste.

Terminal board

- COM : Recharging negative
 - +24V : Recharging positive
 - R : Connect end-of-line Resistor
 - RL(-) : output from main “polarity inversion” (positive in standby) and end-of-line resistor
 - RL(+) : output from man “polarity inversion” (negative in standby)
 - +CONT : DO NOT CONNECT
 - RESET : Give a negative to reset the anomaly signalizations.
 - OUT TEST : Negative open collector output in case of anomaly
- Note: Dip-switch are set by manufacturer and they CANNOT BE MODIFIED (dip 1 on, dip 2 on, dip 3 off, dip 4 on)

Warranty: All Venitem products have 2 year of guarantee. With the aim of improving design and quality of its products, Venitem reserves the right of modify them without any notice. All defective products have to be returned to your own supplier.

CE
0051
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0051-CPR-0157
EN54-3
Acoustic alarm device
TYPE B: for outdoor use
Doge F24
Technical data: see manufacturer technical design dossier