INSTALLATION MANUAL SIREN
MURANO L
MURANO LS – MURANO LSP

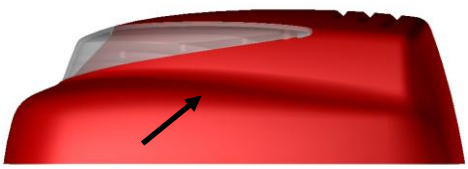
VENITEM GROUP
security system

Murano L: self-powered 12 V ⎓ siren with high lightness led flashing of low absorption – double tamper reed anti-opening and anti-tear - Programmable sounds and timings – alarm counting – microprocessor self-check of: batteries and speaker with relative negative output for anomalies – Separated programming of siren control and flashing – flashing reset input – permanent or instantaneous signaling of System ON/OFF – electronic circuit protected against polarity inversion and with resin immersion.

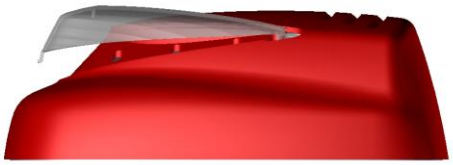
Murano LS: Technical features as per Murano L, with **anti-foam and antishock device** with double micro switch.

Murano LSP: Technical features as per Murano L with **anti-foam and anti-shock device** with double micro switch and **anti-drilling circuit.**

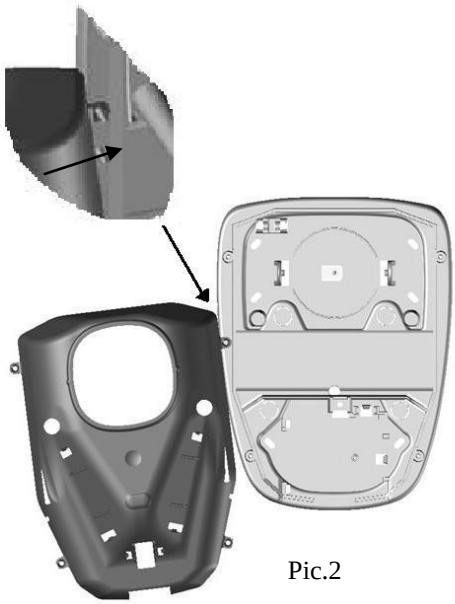
Note: To open the siren push in the centre of the siren and at the same time upwards the flashing cover and unscrew the 2 screws (see picture n. 1).



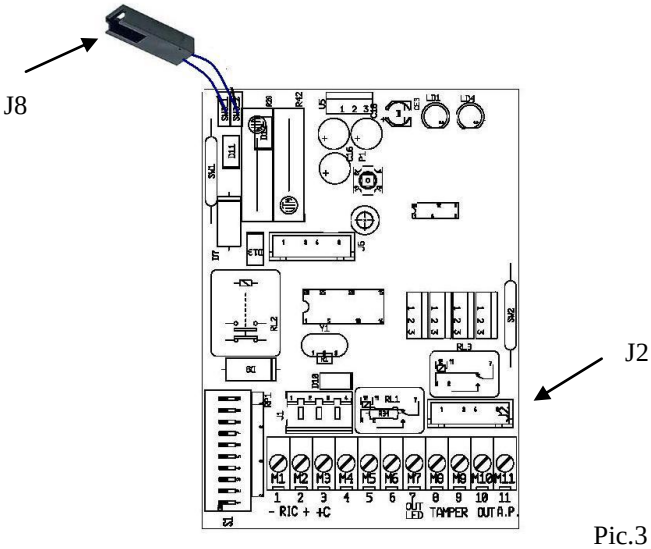
Pic.1



To enable an easy installation, is it possible to block the internal cover on one of the two hubs present on the bottom and on the right in the cover base (pic. 2) of the siren to proceed with the connection of the foam proof protection connector to J8 connector and the flashing connector to J2 connector (see pic. 3).



Pic.2



Pic.3

CONNECTION SCHEME

A – **CONNECTION WITH TWO CONDUCTORS.**

Connect 13,8 Volt power supply coming from the main station to the following terminals:
no. 1 *negative*; no. 2 *positive*. (make a jumper between terminal n. 3 and terminal n. 2)
NOTE: DIP-SWITCH N. 3 is set from the manufacturer in OFF position POSITIVE CONTROL

B – **CONNECTION WITH THREE CONDUCTORS.**

Connect 13,8 Volt power supply coming from the main station to the following terminals:
no. 1 *negative*; no. 2 *positive*; no. 3 positive control
NOTE: DIP-SWITCH N. 3 is set from the manufacturer in OFF position POSITIVE CONTROL

C – **OPTICAL STATE SYSTEM SIGNALLING (ON-OFF INSTANTANEOUS AND PERMANENT).**

- Giving a positive to the terminal no. 4 all the led of the flashing unit will perform 3 lightings (ON);
- Taking off the positive all the led will be steady alight for 5 seconds (OFF).

Dip-switch 10 in OFF position STANDARD SETTING (Instantaneous ON-OFF signaling)
Dip-switch 10 in ON position (Instantaneous ON-OFF signaling with permanency of one intermittent led for the time there's positive supply to terminal no. 4).

D – **FLASHING UNIT FUNCTIONS.**

The standard setting will activate the flashing when the siren is in alarm and will stop it with the return of control. (DIP-SWITCH 5 OFF – 6 OFF). To activate other functions available (see schedule below) is necessary to give or take off a negative supply to terminal n. 5 and change Dip-switches 5 and 6 according to needs (see flashing unit selection schedule).

E – **TIMER.**

Standard sound timing is programmed to 3 minutes (DIP-SWITCH 1OFF – 2 OFF) and can be modified to 5-10 minutes or infinitive (see timer siren schedule).

F – **TERMINAL NO. 7 ANOMALY OUTPUT AND ANOMALY LED.**

Doge siren 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 no. 7 while the led of check on the siren circuit indicates the kind of failure according to the different number of lightings followed by a short pause.

The microprocessor performs automatically every 32 days a test of battery current and in case of fault, it sends a **continuous negative** output if the system is **on** (+12V to terminal no.4); while if the system is **off** (no power supply to terminal no.4) it sends 3 **negative impulses** and the **led** of anomaly makes 3 flashings followed by a short pause. The microprocessor makes also a self-test in every moment and in case of failure it gives a **continuous negative output** stopping the sound with both system on or off.

SCHEDULE OF ANOMALIES AND SIGNALLING	SYISTEM ON ANOMALY OUTPUT N. 7	SYSTEM OFF ANOMALY OUTPUT N. 7	ANOMALY RED LED SYSTEM ON OR OFFM
STAND-BY SPEAKER INTERRUPTION	STEADY NEGATIVE OUTPUT	6 NEGATIVE IMPULSES	6 FLASHINGS
DAMAGED SIREN DRIVER	STEADY NEGATIVE OUTPUT	4 NEGATIVE IMPULSES	4 FLASHINGS
BATTERY FAILURE (every 32 days test)	STEADY NEGATIVE OUTPUT	3 NEGATIVE IMPULSES	3 FLASHINGS
BATTERY FAILURE (test performed during the alarm)	STEADY NEGATIVE OUTPUT	2 NEGATIVE IMPULSES	2 FLASHINGS
LOW BATTERY (omnipresent test with threshold under 9V)	STEADY NEGATIVE OUTPUT	1 NEGATIVE IMPULSE	1 FLASHINGS

The anomaly signallings of the above schedule are recorded until the following events happen:

1) Control missing (missing of the positive/negative to terminal no.3);
2) System activation (+12V to terminal no.4);
3) Sending of a negative to terminal no. 5.

G – **CONNECTION OF ANTI-REMOVAL AND ANTI-OPENING TAMPER.**

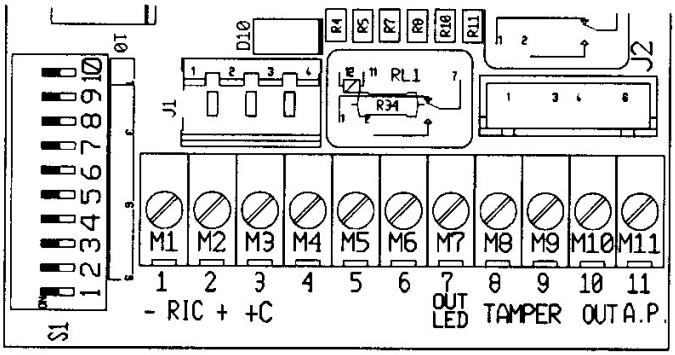
Connect to terminals no.8 and 9 the tamper line coming from the main station.

H – **TERMINALS NO.10 AND NO. 11 ANTI-DRILLING NC OUTPUT. (only in the Murano LSP version)**

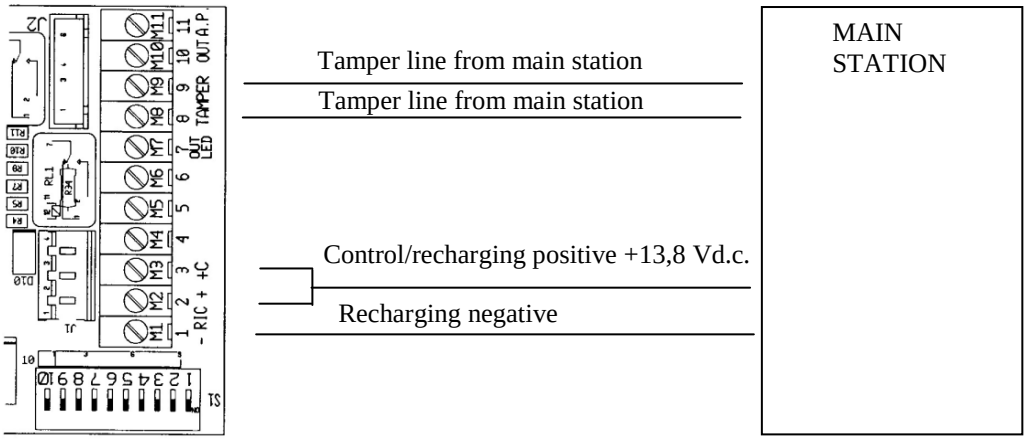
Connect in series to the siren tamper line. (Terminal n. 8 and n. 9)

ELECTRICAL CONNECTION SCHEME

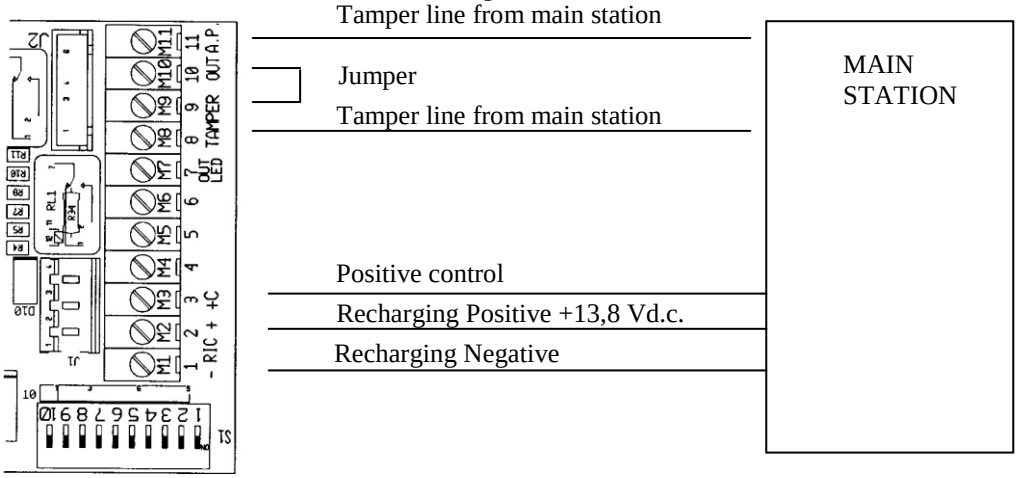
1 - Negative power supply -0V GND
2 - Positive power supply +13,8V
3 - Control input (start)
4 - ON-OFF input
5 - Flashing control/reset input.
6 - Sound break input (to be inserted by manufacturer on request)
7 - Negative output of anomaly
8 - 9 - Tamper NC.
10 - 11 - Anti-drilling output Relé NC.1A



Connection with two wires



Connection with three wires and anti-drilling device



TECHNICAL FEATURES

Tension	Of supply	13,8 V ⎓
	Minimum Control	4.5 V⎓
	Minimum Supply	10.5 V⎓
	Maxim Supply	15.5 V ⎓
Current	Sound absorption	1,5A
	Flashing absorption	100mA
	Standby	15mA
Frequency		1625 Hz
Sound level		105dB (A) at 3 meters
Protection level		IP 44
Operating temperature		From –25 to +55° C
Timer		Programmable
Battery		12V 1,2Ah or 12V 2.2 Ah max
Command from the main		2 or 3 wires
Dimensions		312x236x109 (H x L x D)
Weight		2.300 g

CE

MADE IN ITALY

GUARANTEE

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

DIP-SWITCH SET UP

1) SOUND TIMER.

DIP 1	2	
OFF	OFF	3 MINUTES (set from the manufacturer)
OFF	ON	5 MINUTES
ON	OFF	10 MINUTES
ON	ON	INFINITE

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

2) COMMAND SELECTION

DIP 3	
OFF	POSITIVE SWITCH (set from the manufacturer)
ON	NEGATIVE SWITCH

3) DAILY ALARM COUNTING

DIP 4	
ON	NOT MORE THAN 4 DAILY ALARMS (every alarm will be counted only if longer than 30 seconds).
OFF	INFINITE ALARM (set from the manufacturer)

4) FLASHING SELECTION

DIP 5	6	
OFF	OFF	SWITCH ON AND OFF WITH THE COMMAND (set from the manufacturer)
ON	OFF	SWITCH ON WITH THE COMMAND AND OFF WITH THE SIREN
OFF	ON	SWITCH ON WITH THE COMMAND AND OFF WITH THE RESET
ON	ON	SWITCH ON AND OFF WITH THE RESET

5) SOUND SELECTION (4 DIFFERENT TYPES)

DIP 7	8			
OFF	OFF	SOUND	1432HZ	MAIN FREQUENCY (set from the manufacturer)
			F. MIN	F. MAX
ON	OFF	FRENCH SOUND	1400HZ	1600HZ
OFF	ON	DIFFERENT SOUND	900HZ	1800HZ
ON	ON	BELL SOUND	1250HZ	DUTY CYCLE MODULATION

6) LED STATE SYSTEM SIGNALLING SELECTION

DIP 9	10	
FREE	ON	ACTIVATE 1 PERMANENT LED AS STATE SYSTEM SIGNALLING
FREE	OFF	DO NOT ACTIVATE 1 PERMANENT LED AS STATE SYSTEM SIGNALLING

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