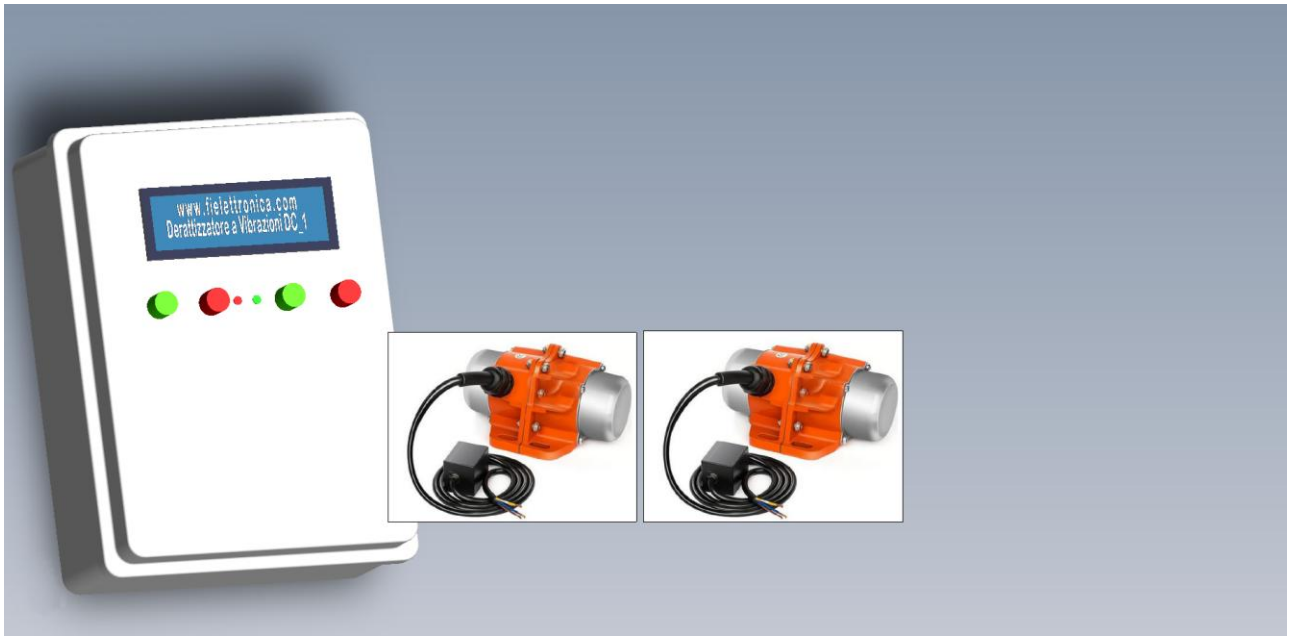
Vibrating Waves Rodent Repeller DV

-Instructions manual-



Operation and Installation

Working principles of the vibrating wave rodent control device is relatively simple.

The device must be placed in strategic areas, such as attics, cellars, and gardens, where the presence of rodents is more frequent.

Once activated, the device through its terminals begins to emit vibrating waves that propagate in the ground and surrounding structures.

These waves, although imperceptible to humans and pets, are extremely annoying for rodents, who think the vibrations as signals of an incoming danger.

- **Vibrating Terminal electrical power : W.30 dimensions cm 17x11x7.5 weight kg.2**
- **Fix the units to pillars or reinforced concrete slabs to better diffuse the vibrations produced by the terminals**
- **For steel structures: it is best to fix the units to the central uprights**
- **Control unit: fix it in a convenient place not close to the vibrating terminals**
- **With this system you can protect large surfaces and overcome solid obstacles**

CONTROL UNIT COMMANDS

When switched on, the microprocessor control unit displays these two lines:

Let's see the meaning in detail:

St1: Indicates the status **ST1** = active, **ST2** = inactive. Status will be stored in memory also in case of temporary mains lacking

P1: Indicates the selected working program. There are 6 possible working programs. **P1** is intense, it then scales down to **P6** which is the quietest

B1: Indicates the status of the internal buzzer. **B0** = inactive; **B1** = activated

M2: Indicates the number of connected vibrating units. **M1** = 1 motor; **M2** = 2 motors

NAVIGATION MENU

To change the settings, enter a drop-down menu using the button on the left **"V"**

If the system is activated with the green LED on, by pressing **"V"** key, you enter the menu and the control unit deactivates (red LED on, green LED off).

- You should hear two sounds if the buzzer was previously enabled-

BUZZER MENU

Pressing **"V"** twice again will enter **MENU BUZZER**

By pressing twice **">"** buzzer is enabled.

By pressing **"<"** buzzer is disabled

ON/OFF MENU (state)

Pressing twice ”V” key we enter **ON/OFF menu (state)**

Pressing **“>”** the state of the unit becomes on (**STATO ON)**

and will be stored in memory also in case of temporary mains lacking

Pressing **“<”** key the state of the unit becomes **OFF**

MOTORS MENU

Pushing twice ”V” key we enter **MENU MOTORI**

The menu allows you to choose 1 or 2
Vibrating motors using the **“>”** and **“<”** keys

PROGRAM MENU

Pushing twice ”V” we enter **PROGRAM MENU**

Menu allows to choose between 1 to 6 working

Programs using keys **“>”** or **“<”.**

Remember that program 1 is intense and program 6 is quiet

DROP DOWN MENU QUITTING

As already said this is a drop down menu . By pushing twice ”V” key, we quit the navigation menu.

At this point, if we have selected the status as ATTIVO (active = ST1), we will hear two sounds (if the buzzer is enabled) and the control unit will immediately start working (green led on), displaying the following message informing us that we have regularly quitted the menu:

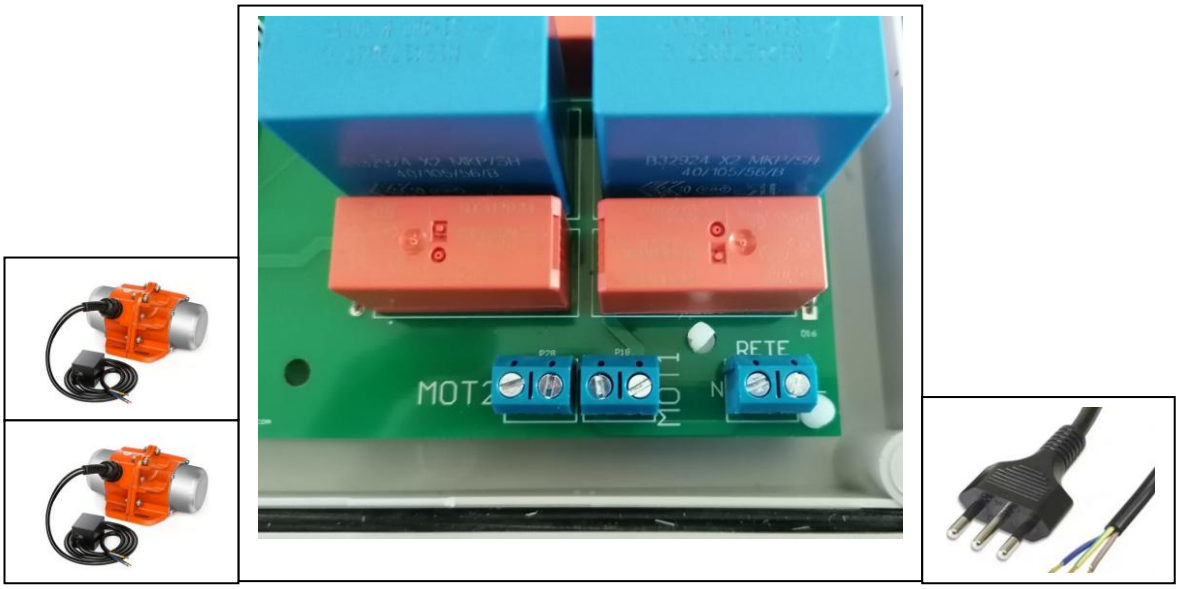
If the statut is not ACTIVE (ST0) we will have the following message (red led on) and the system wil not work

CONNECTIONS TO THE INTERNAL TERMINAL BLOCK

Connect the DC 24 Vcc power supply to the jack as shown in the figure:

Connect the vibrating units to their terminal blocks (**MOT1 & MOT2)**

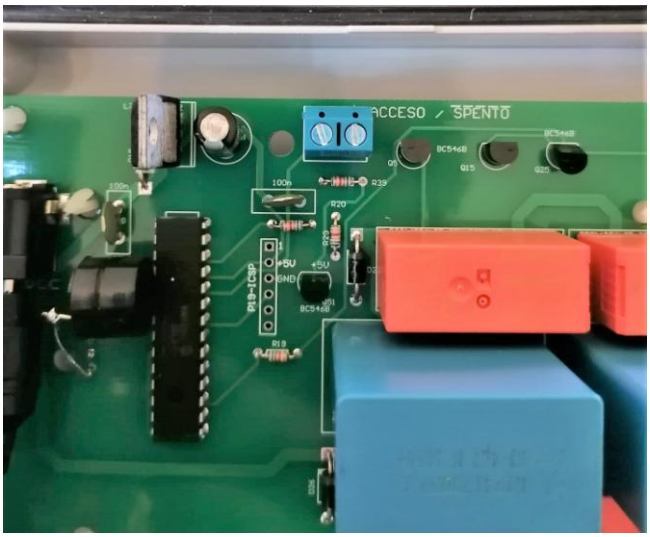
Connect to Mains (230Vac) the terminal block (**RETE)**



NOTE: use a Flying terminal block to connect together ground wires (yellow/green) from motors to corresponding yellow/green of Mains AC cable

ON/OFF TERMINAL BLOCK (ACCESO_SPENTO) (on when open)

By closing the terminal block, the system deactivates. By opening it, the system returns active. This is useful for working time programming via electronic programmer clock or for controlling the system remotely
(eg: **SCADA** Systems)



SYSTEM TEMPORARY PAUSE

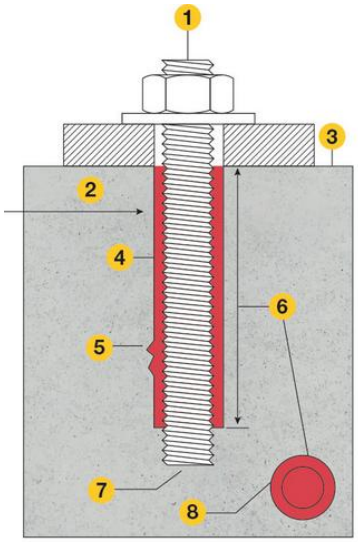
Once the system is activated, you can pause it by pressing ”<” key.

By pushing again “>” key, the system re-activates

Space intentionally left blank

If the terminal is fixed to a pillar or reinforced concrete wall, fix it vertically

Use preferably chemical anchor system.



Use n. 4 STEEL THREADED ROD DIAM. 8 mm. of proper lenght

Between the motor and the wall, if needed, you can use rubber to give little elasticity.

Cut the gasket according to the motor footprint

Put the control unit away and safe from the vibrations of the terminals.

You can freely extend the length of the cables to the terminals

CE

DECLARATION OF CONFORMITY

(as per ISO/IEC Guide 22 and EN 45014)

Manufacturer's name	**Fi-Elettronica**
Manufacturer's address	121, VIA LUIGI CHERUBINI 00124 Rome - Italy

Declares that the product

Type of equipment	Antirodent vibrational terminal
Product Name	UVIB_1

Conforms to the following European Union Council Directives and Standards

EMC Directives (89/336 EEC)

Emissions
EN 55014-1

Immunity
EN 55014-2

I, the undersigned, hereby declare that the equipments specified above conforms to the above Directive(s) and Standard(s)

Fi-Elettronica

Carlo Fimai

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CE

DECLARATION OF CONFORMITY

(as per ISO/IEC Guide 22 and EN 45014)

Manufacturer's name	**Fi-Elettronica**
Manufacturer's address	121, VIA LUIGI CHERUBINI 00124 Rome - Italy

Declares that the product

Type of equipment	Antirodent vibrational control unit
Product Name	DC1,DC2

Conforms to the following European Union Council Directives and Standards

EMC Directives (89/336 EEC)

Emissions
EN 55014-1

Immunity
EN 55014-2

I, the undersigned, hereby declare that the equipments specified above conforms to the above Directive(s) and Standard(s)

Fi-Elettronica

Carlo Fimiani

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