



## INSTALLATION MANUAL



**MASER**

VHFO  
LP 20



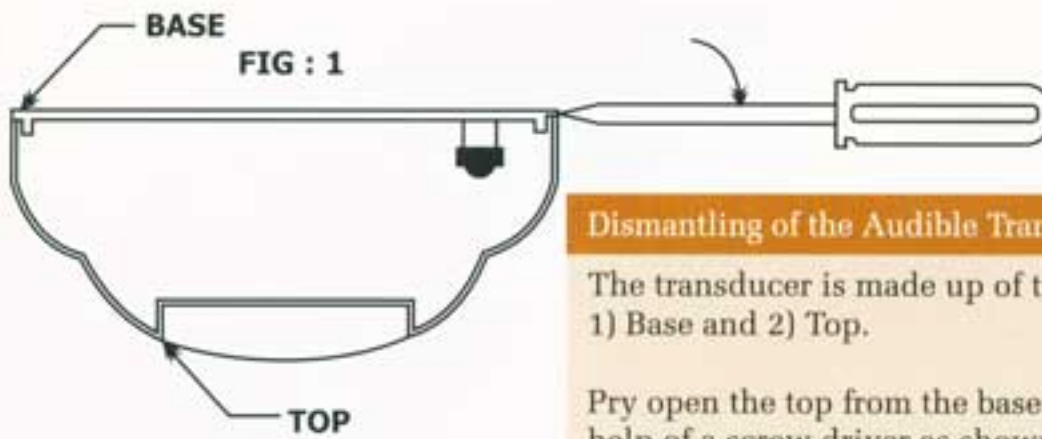
### MASER ULTRASONIC RODENT REPELLER - VHFO LP 20

The Ultimate Solution for your down time problems  
Advanced Rodent Control Management from Maser  
The power to flush out and repel rodents

## PROCEDURE FOR INSTALLING MASER VHFO LP 20 :

1. Select an open area in the electrical room or the AHU room and fix the rack with the brackets and mount the controller on it. Adequate ventilation for the VHFO LP 20 controller is a must.
2. Provide a 5 A electrical plug point within 1 meter from the rack. Check for proper earthing before connecting Maser VHFO LP 20 controller. Also check for proper A.C voltage i.e. 220/230 V.
3. Select the problematic area i.e. main room / false ceiling / false flooring to be covered.
4. The transducers have to be fixed at a height of 10 to 12 feet from the ground level, in the main room, and the distance between the transducers should be maximum 20 feet.
5. Install the transducers as per the markings on your floor plan.
6. The transducer comprises of 2 parts, Pry open the bottom lid of the transducer to connect the cables with the help of screws provided. The bottom lid of the transducer is to be fixed to the wall / ceiling / flooring and the top part of the transducer is to be press fitted to the bottom lid.
  - The transducers in the main room / ceiling should face a wall or an obstructing surface and not open areas such as open doors windows etc so that maximum bouncing effect is attained.
  - **Looping of transducers is permitted.**
  - Only 20 transducers can be connected to one VHFO LP 20 controller. The cables need to be encased in a PVC/ GI conduit pipe.
  - As far as possible use only bends and not elbows to ensure smooth laying / pulling of transducer cables.
  - Continuity test to be done with the help of the test switch provided in the front panel of the system.
7. No transducer wiring should be done for a distance of more than 200 meters from the controller.
8. All conduiting to be done aesthetically.

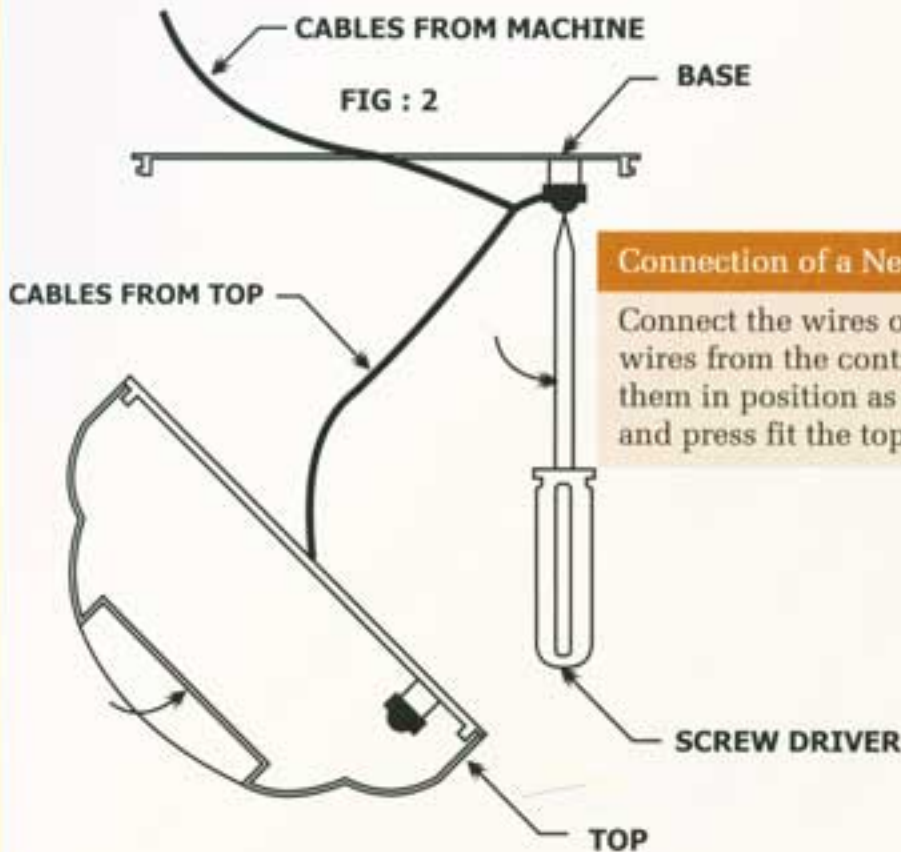
## PROCEDURE FOR REPLACEMENT OF AN AUDIBLE TRANSDUCER



### Dismantling of the Audible Transducer

The transducer is made up of two parts  
1) Base and 2) Top.

Pry open the top from the base with the help of a screw driver as shown in Fig 1. Disconnect the wires from the base and separate the top from the base.



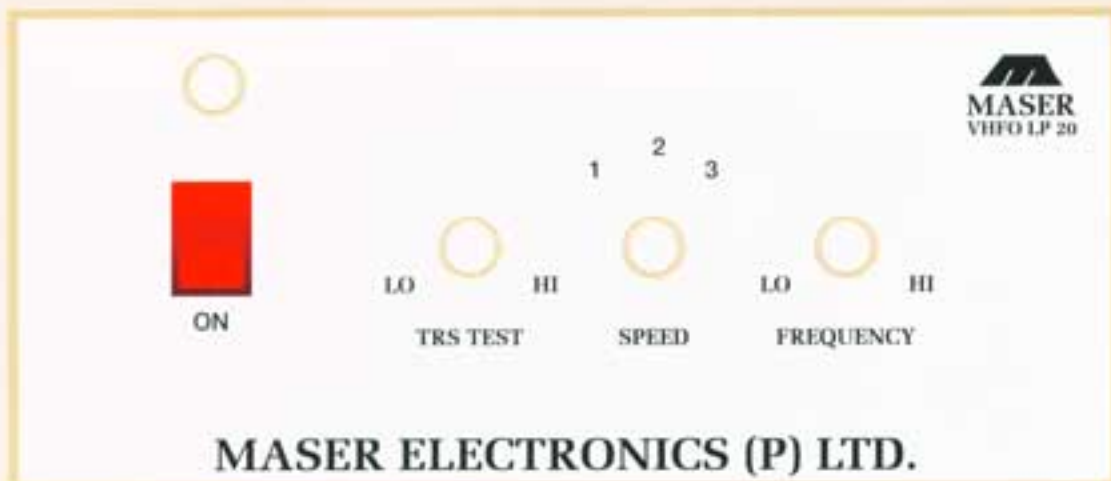
### Connection of a New Top

Connect the wires of the new top to the wires from the controller and screw them in position as shown in figure 2 and press fit the top to the base.

MASER ULTRASONIC RODENT REPELLER  
VHFO LP 20



## FRONT PANEL OF MASER VHFO LP 20



- 1 **ON** : Indicates that the controller is receiving power supply.
- 2 **Transducer Testing** : When this button is pressed all the transducers connected to the controller will cross over to an audible range and start emitting a ( beep beep) sound.
- 3 **Speed** : There are 3 speeds available in the system from which the user can make his/her choice.
- 4 **The Frequency knob** is to be used by our service engineers only during the time of service.
- 5 Malfunctioning of any of the above then please call for service.



An ISO 9001:2008 Company



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