

## Varna Suraksha Basic Model

Specifications:	
Power Supply	220V AC Mains Outlet / 50 HZ Frequency
Covers Upto	120 Square Feet
Operating Frequency	Above 20 KHz
Sound Output	80 - 110 dB (Not Audible to Humans)
Weight	590 Grams
Size	14 x 12 x 24 cm (approx.)
Color	Grey
Cabinet	Plastic



### How to Install or Place the Units (Installation Manual)

- Plug the unit into a Indian standard 230 VC wall outlet point.
- The system should be placed pointing to the area to be protected.
- It is also ideal to mount it on a wall corner 10 feet off the floor facing
- Place unit on a table, shelf or counter.
- Push ON the "Black Button" to hear audible Beeping sound, which indicates the Unit is working.

### Warranty

Repellent comes with a warranty of one year against manufacturing defects from the date of purchase. The unit will be repaired under warranty only if all the usage instructions mentioned above have been followed and the unit is neither tampered with nor damaged in anyway.

### Some of our Clients listed using our repellents -

1. Reserve Bank of India, Patna
  2. Hyundai Motor India Ltd
  3. HAL
  4. Cipla Ltd.
  5. Indian Express
  6. Exide Industries
  7. Comanding Officer INAS 333
  8. Commanding Officer AMLA
  9. Auctus Pharma Ltd.
  10. Bramhani Industries Limited
  11. Central Research Lab
  12. Marthrubhumi Printing
  13. MORE' Super Market
  14. NTPC
  15. Pharma Lab India Pvt. Ltd.
  16. University of Pune
  17. Himalya Drug Company
- and more..**

### Frequently Asked Question

1. **How does this ultrasonic repellent work?**  
**Answer:** This rat deterrent unit emits ultrasonic sound waves to create an acoustically hostile environment that repels rodents, this frequency of sound will induce auditory stress to rodents and make them to move away. It is best bet than traps, it is chemical free and completely inaudible to people and non-rodent pets.
2. **Will rodent get used to this repellent after a period of time?**  
**Answer:** Definitely No! The unit uses a complex "swept" sound frequency with multiple "peaks". The intensity, complexity and changing frequencies prevent rodents from getting used to the sound emitted.
3. **Can ultrasound irritate family pets?**  
**Answer:** Family pets like dogs and cats will not get disturbed by this frequency. This ultrasonic rodent repellent will only affect rodents, rats, mouse, mice, hamsters, guinea pigs and squirrels.
4. **Does ultrasound penetrate through walls or other rooms?**  
**Answer:** No. Actually, ultrasonic waves behave more like light than sound. You will have to install separate unit in another

room where you have rodent problem.

5. **What area / square footage does the ultrasonic wave cover?**

**Answer:** It depends upon on each individual room or space. Since the ultrasound is too fragile, sound wave may dispel rapidly with distance, and it may have reduced effect on rodents more than 20 feet from the unit. If the room/ godown is too large with lot of furniture, products or barriers, you will need to install more than one unit for maximum effectiveness.

6. **Does Ultrasonic Rodent Repellent really work? Any research done?**

An independent research University "University of Nebraska - Lincoln" had conducted a detailed research in the year 1984 to assess the efficacies of ultrasonic rodent repellent devices in the laboratory where no other rodent control was conducted at the study sites other than the application of ultrasonic devices. **Test Report concludes that "Rodents under test could either leave the buildings or move to alternate non-ultrasonically treated areas."** Source:

<http://digitalcommons.unl.edu/vpc11/37/>

7. **What will be the power consumption?**

**Answer:** Power consumption will be only 2 watts for 24 hours. So 2 watts x 24 Hrs. multiplied into 31 days = 1488 watts per month / 1000 = 1.5 KWH

8. **Will it be controlled from the same day of installation or How long it will take to curb rat menace after installing?**

**Answer:** It will take minimum 6 -7 days to reduce and stop rodent activity. Within two or three weeks, or sooner, you should see a reduction in the pest activity (sighting of pests and droppings, and damage). If not, you may need one or more additional units.

9. **What is the durability of the Unit?**

**Answer:** Estimated service life of this unit is 5-6 years.

10. **Does it control other pest like cockroaches, ants or insects etc.?**

**Answer:** Some insects can repel to the ultrasonic sound, but we do not assure this unit can also control other pest problems.

11. **Does the ultrasonic rodent repellents chase rats in all places efficiently any exclusions?**

**Answer:** Repellents work efficiently in indoor premises like offices, godowns, server rooms and any other closed premises with less external noises only. The ultrasound waves will not efficiently work in the outdoors like garden, patios and any other noisy areas where are the waves gets dispersed. And also food storage areas like bakery and hotel kitchen areas are prone to food spillage and heavy infestation of rodents, in this case, rodents need to be flushed out using Glue pads or Rat traps only.