



# **USER MANUAL**

**ELECTRONIC  
VOLTAGE  
STABILIZER**

Congratulations on owning a product that is not just thoughtfully designed, but also the most advanced in its category, without a doubt. Every stabilizer is inspected and tested thoroughly before leaving our premises. We undertake to repair this unit FREE OF CHARGE for a period of 36 months from the date of purchase, if any defect in material or workmanship occurs. This undertaking does not extend to any equipment for which the voltage stabilizer is connected.

Model : VND 400	Capacity : 12 Ampere	Application: One Air Conditioner Up to 1.5 TON
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The most up-to-date design and manufacturing standards make this an ideal guard to your equipment from voltage fluctuations. This unit can withstand up to 320V AC input. Please ensure that excess voltage beyond this level is not fed to the stabilizer, which can cause serious damage to the stabilizer and connected equipment, in which case this warranty will have no application. This stabilizer is designed to work up to 50°C ambient temperature. Surge or spike protection is not provided in this stabilizer.

Please follow these simple instructions carefully:

Connect your equipment to V-GUARD stabilizer and connect the stabilizer to mains. Do not cover the stabilizer with cloth or any other material and ensure that proper ventilation is provided for stabilizer. Make sure that there is no loose connection and proper earthing is done.

This unit is provided with one bicolor LED to indicate the working conditions, as mentioned below:

LED Indication	Condition
Green	Normal Voltage
Red	Time Delay / Low & High Voltage Cut-off / High Temperature Cut-off
OFF	No Mains Input

In addition to the LED indication, this unit is provided with an analog voltage meter to monitor the output voltage by pressing the 'meter' switch provided on front panel. The stabilizer will give output automatically when the temperature is reduced or line voltage comes to the working range. This stabilizer is incorporated with an initial time delay of  $5 \pm 2$  s.

If the line voltage remains below 140V or above 290V the stabilizer will not give output voltage and the LED glows in red. In few places it is likely that voltage remains very low during peak hours of power consumption (between 6 p.m. and 9 p.m.). Hence stabilizer may be in cut-off condition, if the line voltage is below 140 V. When the line voltage comes to the working range, the stabilizer will give output automatically.

Switch off stabilizer when AC is not in use.



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