



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. In case of any manufacturing defect, we undertake to replace the unit during the first 3 months from the date of purchase, provided the same is returned in good condition with scratch-free cabinet and the packaging materials by the customer. Further, we undertake to repair the unit for a balance period of 4 years 9 months of total 5 years warranty. This undertaking does not extend to any equipment connected to the voltage stabilizer.

Model : VGSD 100	Capacity : 4 Ampere	Application: Deep Freezer / One Refrigerator Up to 600 L
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The most up-to-date design and manufacturing standards make this an ideal guard for your equipment from voltage fluctuations. This stabilizer 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. It is designed to work up to 50°C ambient temperature. Surge/spike protection is not provided in this stabilizer.

Please follow these simple instructions carefully:

Connect the three-pin top of your equipment to the socket provided on the rear side of the stabilizer. Plug the three-pin top of the stabilizer to the 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 stabilizer is provided with a good quality 6 A three pin-top and hence use only the same to avoid loose contact of power supply.)

This stabilizer is provided with two LED indications namely MAINS and OUTPUT to indicate the working conditions, as mentioned below:

Condition	LED Indication		Output Voltage
	MAINS	OUTPUT	
Normal Input Voltage	ON	ON	Available
Low/High Voltage Cut-off/Time delay	ON	OFF	Not Available
**Overload Cut-off / No Mains Input	OFF	OFF	

This stabilizer is provided with an "Intelligent Time Delay System". Initially when the stabilizer, being in OFF condition for more than three minutes, is switched ON, there won't be any time delay. If the power supply fails and comes back within three minutes, there will be a time delay depending upon the period of absence of power. If power failure lasts for more than three minutes, the stabilizer will be switched ON automatically at the arrival of the power. This time delay is provided to prevent immediate restart and chattering in case of power failure. This affords proper balancing time for the compressor before restart.

If the line voltage remains below 130V or above 290V the stabilizer will not give output voltage, the output LED remains OFF. In most of the places it is likely that voltage remains very low during peak hours of power consumption (between 6 p.m. and 9 p.m.) and hence stabilizer may be in cut-off condition. When the line voltage comes to the working range, the stabilizer will give output automatically.

**This stabilizer is provided with thermal overload protection feature. When the internal temperature rise of the product exceeds the pre-set limit due to overloading or misbehavior of connected equipment the protection acts, and stabilizer goes to OFF hence LED indications will be in OFF condition. Confirm the connected load draws not more than the rated current of this stabilizer and wait for 10-15 min to restart the stabilizer automatically.

Do not use universal adaptor, extension cord etc. for connecting the appliance with stabilizer.



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