

USER MANUAL

dLux

AC, AUTOMATIC VOLTAGE REGULATOR

Model No. DSTB-500VA DSTB-1000VA

Important safety instructions

This manual contains important safety instructions that should be followed during the installation and maintenance of the AVR. Please read this manual thoroughly before attempting to install or operate this AVR. This equipment can be installed and operated by individuals without previous training.

1. This equipment is available for 110/120/220/230/240VAC supply voltage and loads. Please verify that this model matches your AC mains / load voltage requirements.
2. This equipment is designed for commercial use only. The manufacturer neither recommends nor knowingly sells this product for use in critical life support applications.
3. This AVR must be earthed at all times during operation. Connect only to a mains supply socket outlet with an earth connector. A means of disconnection of the mains supply should be within 2 meters of the AVR

4. CAUTION:

Although your AVR has been designed and manufactured to assure personal safety, improper use can result in electrical shock or fire. To insure safety, please observe the following rules:
Turn off and unplug your AVR before cleaning. Do not use liquid or aerosol

cleaners. A dry cloth is recommended to remove dust from the surface of your AVR, do not install or operate your AVR near water.
Do not place the AVR on an unstable cart, stand or table.
Do not place the AVR under direct sunlight or close to heat emitting sources.
Do not place the AVR power cord in any area where it may get damaged by heavy objects.
Do not overload or short circuit the AVR.
Follow all warnings and instructions marked on the AVR.

Introduction

This device is a high-speed automatic voltage regulator that having an up-to-date range of functions. It is based on most advanced CPU integrated SMT circuit with relay based tap controlling technology. It is intended for provision of power supply for household and office appliances such as fridge, TV, Fan, Printer, Telephone, Fax, DVD players, Speakers etc. The Max series is not designed to provide power and protection to heavy duty appliances especially any compressor based equipments. In case of mains voltage variation within a range of 160-270Vac, The Max series support output of 220Vac±10% and 110Vac±15% at the same time.

Performance

Automatic Voltage Regulator

Automatically regulate the input voltage to a more stable level for your appliances to avoid damages to the appliances.

Microprocessor Control

By means of innovative software control programs, the complicated hardware circuitry is inlaid in the powerful microprocessor. Apart from reduced size, it also lowers the defective rate of AVR and the accuracy in the regulations.

Voltage Display

Through a analogue voltage meter shows the output voltage of the device.

Delay Time

Upon the switching on or resuming from the protections, the AVR will wait 3 seconds before it give output voltage

Operation Principle

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The CPU based intelligent circuit samples the input voltage and controls the action of the relays and opening of the tap of the transformer in a proper combination to adjust the output voltage.

Installation

Inspection

Inspect the AVR upon receipt. The packaging is recyclable. Save it for reuse or dispose of it properly.

Connect to Utility

Connect the AC input power connector to utility power to power up the AVR. The AVR can be connected to the utility power via the attached power cord and plug. Follow the steps below:

1. Make sure that the AVR do not have any mechanical damages.
2. If necessary perform grounding of the casing of the AVR by connecting grounding wire to the corresponding terminal, or at least make sure that the mains outlet is grounded and available with 3 pins connection.
3. Plug in the AVR to 220Vac mains electricity outlet
4. Switch on the AVR and read the voltage meter if it has output.
5. Switch off the AVR

Connect the loads

Plug the loads into the output sockets of the AVR. Switch on the AVR and then switch on the load.

Presentation



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1.Voltage Meter 2.On and off switch 3.Output sockets

Specification	
Characteristic	Specification
Model	DSTB-500VA DSTB-1000VA
Power Capacity	500VA 1000VA
Input Range	160-260Vac
Frequency	50/60Hz
Output Voltage	220V±10% & 110V±15%
Efficiency	>98%
Number of phase	1
Display	Analogue Meter(shows output voltage only)
Power LED	Yes (Power switch with build in LED)
Low voltage cut	180V±5V
High voltage cut	250V±5V
Operation Temperature	0-40degrees Celsius
Relative Humidity	10%~102%
Atmospheric Pressure	84-107Kpa
Dimension	215*150*130mm
Weight	

Specifications are subject to change without prior notice

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设计	麦权胜	2015. 1. 16	尺寸: 145X210mm	电星电器实业有限公司	
校对			要求: 128g 铜版纸	物料编码	10901039042
审核			4p 骑马钉 印单黑	产品名称	AVR/SM-DSTB-1000VA-DLUX-1.0(W601)
批准			版本号 1.0 比例	图纸编号	DWG-TD-AVR-SM-601F001
			共 1 张 第 1 张		