

Well®

Instruction Manual

AUTOMATIC VOLTAGE REGULATOR



Model: AVR-SRV-CONSTANT500-1000-1500-2000-3000-5000-10000-WL

Thank you for choosing a WELL product.
Please read carefully the following instructions and keep them within reach.

Thank you for selecting this smart automatic voltage regulator (AVR). It provides a perfect protection for connected equipment.

This manual is a guide to install and use the AVR. It includes important safety instructions for operation and correct installation of the AVR. Should you have any problems with the AVR, please refer to this manual before calling customer service.

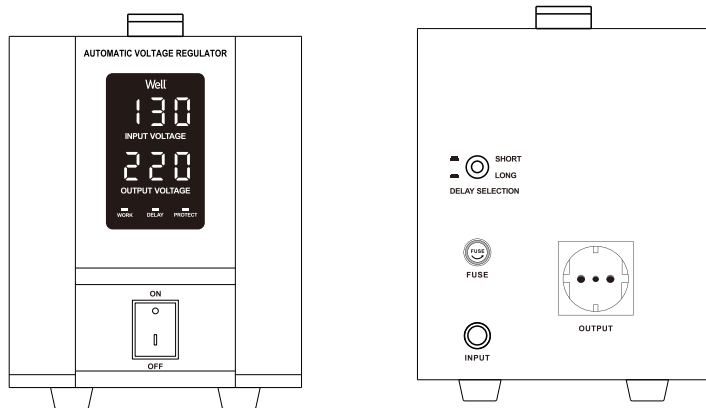
IMPORTANT SAFETY INSTRUCTIONS

- In order to avoid any damage to the regulator, it's is advised to transport it in its own packing.
- In the event of sudden temperature changes such as from cold to the normal working temperature, mist can form inside the regulator, it is absolutely essential that the regulator be dried before switching it on. Due to this reason, wait for at least 2 hours before operating it.
- Once dry, make sure you observe all the conditions in the environment section of the technical specifications table, before connect it to the mains power.
- Place all the cables in a proper place so that they are not stepped on or get caught into people's feet.
- Don't drop any foreign materials (like clips, nails, etc.) into the regulator.
- In emergency situations (damage to the cabinet, front panel, or mains connections, splashing of liquid, dropping of any foreign materials into the regulator), please switch off the regulator, pull out the plug and inform the authorized service center.

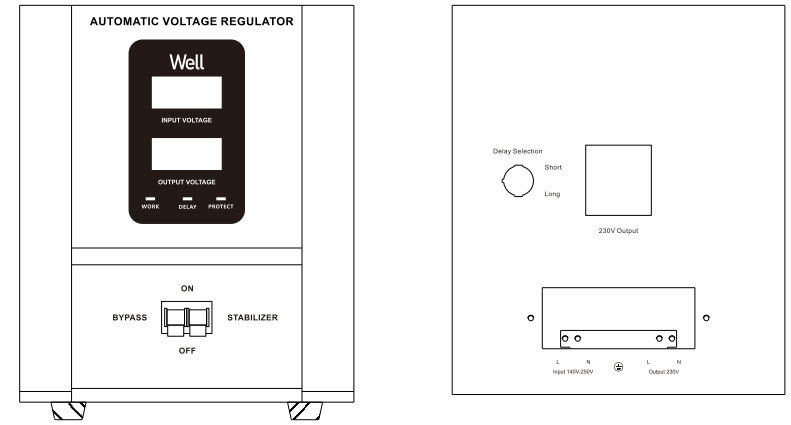
INTRODUCTION TO THE REGULATOR

Familiarize yourself with the various features and facilities by studying the following diagrams to obtain maximum benefit from the regulator.

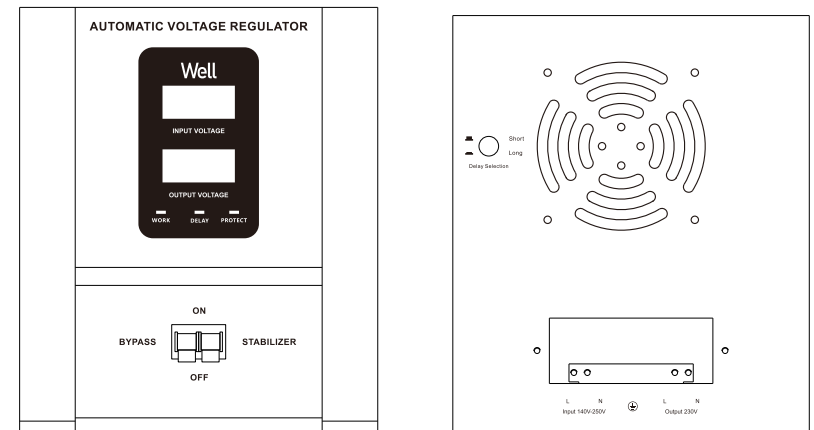
Front and rear of the regulator (models for 500VA, 1000VA, 1500VA, 2000VA)



Front and rear of the regulator (models for 3000VA)



Front and rear of the regulator (models for 5000VA, 10000VA)



MAINS SWITCH/MCB: PUSH THE POWER SWITCH TO "ON " OR "OFF" THE REGULATOR
LCD DISPLAY DESCRIPTION:
INPUT: SHOW THE INPUT LINE VOLTAGE
OUTPUT: SHOW THE OUTPUT LINE VOLTAGE
WORK: WHEN THE GREEN INDICATOR IS LIGHT, THE REGULATOR TURNS ON
DELAY: WHEN THE YELLOW INDICATOR IS FLASHING, THE REGULATOR IS IN DELAY MODE, WHEN DELAY FINISHED AND GIVING NORMAL OUTPUT VOLTAGE, THE LED INDICATOR WILL STOP LIGHTING.

PROTECT: WHEN THE RED INDICATOR KEEPS LIGHT, THE OUTPUT VOLTAGE IS ABNORMAL AND IT INDICATES THE REGULATOR IS IN A PROTECTION STATUS.

WHEN THE OUTPUT INDICATES "H", IT MEANS THE OUTPUT VOLTAGE IS TOO HIGH ($\geq 250V \pm 4V$)

WHEN THE OUTPUT INDICATES "L", IT MEANS THE OUTPUT VOLTAGE IS TOO LOW ($\leq 180V \pm 4V$)

WHEN THE OUTPUT INDICATES "C", IT MEANS THE REGULATOR TRANSFORMER COIL TEMPERATURE IS TOO HIGH.

DELAY BUTTON: IF THIS REGULATOR IS USED WITH APPLIANCES WITH COMPRESSOR (EX: REFRIGERATORS, AIR CONDITIONERS, MOTOR, PUMP, ETC), PLEASE SELECT LONG DELAY (240 SECONDS), IN ORDER TO DECREASE THE OPPORTUNITY OF DAMAGE THE MOTOR COMPRESSOR, FOR OTHER APPLIANCES PLEASE SELECT SHORT DELAY (5 SECONDS).

BYPASS/STABILIZER: UNDER BYPASS, AVR DON'T REGULATE THE OUTPUT; UNDER STABILIZER, AVR REGULATE THE OUTPUT TO $230V \pm 3\%$.

SPECIFICATIONS

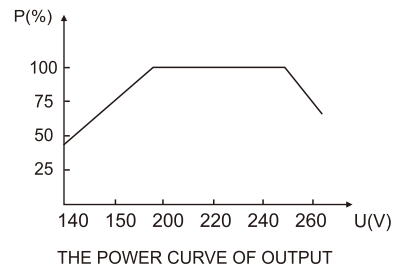
CAPACITY	500VA	1000VA	1500VA	2000VA	3000VA	5000VA	10000VA
AC input range	140V~250V						
Input frequency	50Hz~60Hz						
Ac output voltage	230V AC						
Output frequency	50Hz~60Hz						
Output precision	$\pm 3\%$						
Efficiency	$> 95\%$						
Delay time	5/240 seconds selectable						
Protection	High voltage, Low voltage, High temperature, Short circuit						
Noise	$\leq 50\text{dB}$						
Protection class	I; IP20						
Operation temperature	$-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$						
Operation humidity	20~90%, Non-condensing						
Specifications are subjected to change without prior notice.							

LOADING CHART

If the input voltage is in the range of 198-250V, the regulator is able to provide the 100% listed maximum output power.

If the input voltage is below 198V, the regulator's maximum output power will change as the curve shown below.

Ensure total load connected does not exceed the rated power for the regulator.



CAUTION:

- Avoid overloading. Do not use the regulator beyond its maximum output power.
- When connected to any appliance with built-in motor compressor, the starting power is generally several times of the appliance's listed power rating. Make sure that the total starting power capacity of all connected appliance does not exceed the listed maximum output power of the regulator.
- For color TV, calculate it twice as its listed capacity.
- Make sure that the regulator is of the same output voltage and frequency as the appliance's it connected.
- Make sure that the voltage of electrical source is within the listed range of the input voltage of the regulator
- Always place the regulator in an environment that is:
 - Well ventilated.
 - Not exposed to direct sunlight or heat source.
 - Out of reach from children.
 - Away from water moisture oil or grease.
 - Away from any flammable substance.
 - Secure and no risk of falling.
- The input plug and out socket are different according to different country and refer to the product for reference.

Waste electrical and electronic equipment are a special waste category, collection, storage, transport, treatment and recycling are important because they can avoid environmental pollution and are harmful to health. Submitting waste electrical and electronic equipment to special collection centers makes the waste to be recycled properly and protecting the environment. Do not forget! Each electric appliance that arrive at the landfill, the field, pollute the environment!

Symbol for the marking of electrical and electronic equipment

