




amazon basics AC220V SCR Electronic Voltage Speed Controller High Power Regulator Instructions

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Main Function

The thyristor electronic voltage regulator is mainly used for resistive loads (incandescent filament incandescent lamps, etc.), single-phase AC brushless motor, adjustable pressure range from 20V-220V, more suitable for low voltage drive heavy wire. Factory use: such as cutting styrofoam, pearl cotton, raincoats; it can adjust the voltage, reduce power, and so on.

With the new bi-directional high-power thyristor, the current is up to 40 amps, which solves the over-current

problem caused by the electric resistance of the electric furnace wire when cooling is too small. It can easily adjust the output voltage of the mains at 10V-220V, continuously adjustable, zero delay, zero hysteresis. Use case: Heat regulation of electric stove and water heater, dimming of lamps and lanterns, small motor speed adjustment, electric iron thermostat, and so on, to achieve the effects of temperature adjustment, dimming, speed regulation, and pressure regulation.



Adapt to electrical appliances



Precautions

1. Please use within the rated power and voltage range. Only suitable for AC grid.
2. It is a normal phenomenon that there is slight heat during work. Please use it in a dry and ventilated place.
3. Input AC 220V power, turn on the power switch. Slowly adjust the voltage knob to change the voltage.
4. The machine does not respond to the capacitor motor. Adapt to the brush motor speed and electric wire resistance conductor.
5. The machine does not adapt to work on soft start or slow start voltage regulator.
6. Attention must be given to first load and then adjust the voltage.

Mapplication

Electric furnace, water heater, the lamps and lanterns that move light, small motor, solder iron temperature control, and so on (inductive or capacitive) load power should be reduced. The voltage regulator is equipped with a two-way high-power thyristor; don't and component can use. Very convenient and practical.

Technical Parameter

Model		BTA- 4000W	SSR-4000W	SSR-10000W
Resistive instantaneous load limit power		4000VA	10KVA	15KVA
Module current		40A	40A	60A
Input	Input voltage	AC220V (Customizable AC 110V input)		
	Input frequency	50/60Hz		
Output	Output voltage regulation	Boost 20V-220V, Buck: 220V-0V		
	Output precision	±1% (With load conditions)		
Long-term use of maximum current (resistive load)		9A	18A	22.7A
Long-term use of maximum power (resistive load)		2000VA	4000VA	5000VA
Capacity selection		Select 3 times electric heating wire resistive load and 5 trims electric capacity load of electric motor		
Phase		Single Phase		
Meter display status		LED display output voltage		
LED voltmeter display status		Turn on the power switch to show the voltage as a virtual voltage		
		After the load is connected the display voltage is the regulation voltage		
Environmental	Operating temperature	0-40°C		
	Storage Temperature	-15°C-45°C		
	Operating relative humidity	10°/4 R H -1 02 % R H; No-condensing		
Product features		light regulation temperature regulation voltage regulation speed regulation		

NOTE

1. Product power into the 110/220V utility socket.
2. It is forbidden to plug the mains voltage in panel socket directly!!
3. The load must be switched on to test the voltage!

Instructions for use


Using electrical appliances to plug in the product surface, connect the power, the voltmeter turn on and turn the knob (button+-) to zero, turn the knob slowly, adjust the voltage which can play to light, speed, pressure and temperature regulation.

CONTACT US



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Documents / Resources

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References

- [User Manual](#)