

US series AC single phase asynchronous motor electronic speed controller

•Summary:

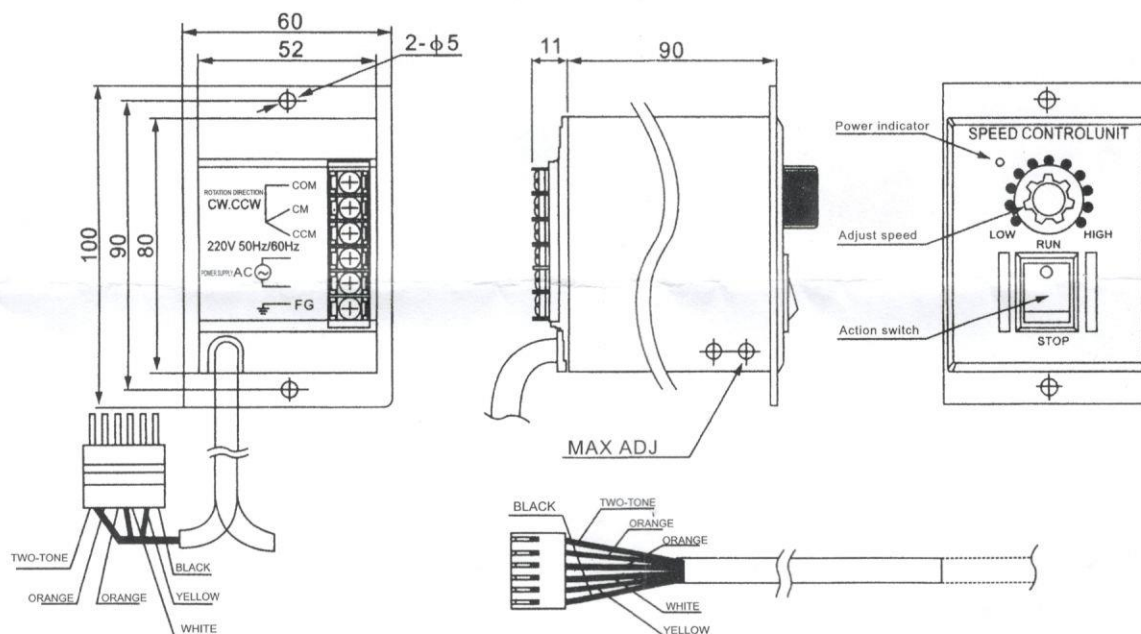
US series AC single phase asynchronous motor electronic speed controller, using new electronic circuits and integrated components, with small size, high accuracy, wide speed range, low energy consumption, long life and easy to use, can be used in conjunction with the single-phase asynchronous motors produced abroad, to achieve constant speed and stepless speed regulation. It is widely used in packaging, printing, food, electronics, instrumentation, clothing machine, medical machine and other industries' production line speed drive device.

Input Voltage	110V+/-10%			220V+/-10%		
Power Frequency	50Hz/60Hz					
Operation	VR modulation mode					
Speed Adjustment Range	50Hz 90~1400RPM			60Hz 90~1700RPM		
Operating Temperature Range	-10℃~50℃					
Model	315	425	540	560	590	6210
US-□□□01 (110V)	6.0UF	6.0UF	10UF	12UF	18UF	25UF
US-□□□02 (220V)	1.5UF	2UF	2.5UF	3.5UF	5UF	6UF
US-□□□11 (110V)	6.0UF	8.0UF	12UF	16UF	25UF	25UF
US-□□□22 (110V)	1.5UF	2UF	3UF	4UF	6UF	7UF

Starting capacitance: AC110V 250V for, AC220V 450 for

60Hz

•External wiring instructions:



A. Please follow the original wiring mode as shown in the figure above, and do not modify it arbitrarily.

B. When using, please adjust the external speed knob to "0" to avoid the permanent damage of the controller caused by the instantaneous large current.

C. This product adopts the feedback voltage control of the generator. If other brands of motors are used, the feedback voltage of the generator must be adjusted.

D. If the governor is connected to the motor and the torque or speed does not meet the requirements, please adjust the side trimming potentiometer. (under round power plate)

E. To change the running direction of the motor, just install the jumper on the back of the controller and the terminal block.

(1) Select COM and CW short circuit, then the motor rotates clockwise.

(2) Select COM and CCW short circuit, then the motor rotates counterclockwise.

When changing the direction, it is necessary to wait until the motor stops running so that it can be changed.

F. The action switch only suppresses the action or stop of the motor and does not used as the power interruption.

G. If not use for a long time, please turn off the power.

H. Please keep away from the place with corrosive gas or other liquid is easily splashed when installing the motor.



① The motor governor can be plug-in type according to the needs of users.

② The adjustable speed motor shall not be operated at low speed for a long time, so as to avoid that the fan of high-power motor has no cooling function and the low-speed running current is too large, which will cause motor burnout.