



الحمادي للإلكترونيات
ALHAMMADI FOR ELECTRONICS

CCM5DDigital display PWM DC motor governor

1. Description:

DC motor governor, the full name of pulse width modulation is pulse width modulator. PWM for short. A DC motor governor is a device used to regulate the speed of a DC motor. DC motors have the characteristics of low speed and high torque, therefore, DC governors, devices that regulate the speed of DC motors, can be widely used. Due to its special properties, it is often used in DC load circuits. The 1020 governor is made by the principle of pulse width modulation (PWM), such as motor governor and PWM governor.

Industrial DC motor speed regulation, industrial conveyor belt speed regulation, lighting and lighting mediation, computer power cooling, DC fans, etc. have been widely used.

You can also display the speed percentage, which is the ratio of the current speed to the full speed. For example, the display '028' indicates that the current speed is 28% of full speed.

2. Features

- 1> . High frequency 13Khz, the signal is purer;
- 2> . PWM adjustable 0%-100%;
- 3> . Support high current;
- 4> . high-quality knobs;
- 5> . The knob is separated from the module, which is more convenient to use;
- 6> . Plastic shell, safe and reliable;
- 7> . LED display;
- 8> . No polarity adjustment.

3. Parameters

- 1>。 Input voltage: DC 6-30V;
- 2>。 Load power: 150W(MAX);
- 3>。 Rated current: 5A;
- 4>。 Peak current: 15A;
- 5>。 Speed range: 5%-100%;
- 6>。 PWM 频率:13Khz;
- 7>。 Potentiometer: resistance value 100K;
- 8>。 Knob inner diameter: 8mm;
- 9>。 The output voltage is 0-100% of the input voltage;
- 10>。 Standby current: 0.02A;
- 11>。 Size (without knob): 78*44*24mm;
- 12>。 Cable length: 19mm.

4. Steps for use:

- 1>。 Rotate the potentiometer counterclockwise.
- 2>。 Connect a DC motor or light that meets the requirements of "MOTOR+" and "MOTOR-".
- 3>。 Connect the DC power supply at "POWER+" and "POWER-".
- 4>。 Adjust the knob to control the speed of the motor while checking the speed percentage on the display.
- 5>。 If you need to stop, you can rotate the potentiometer counterclockwise.
- 6>。 Disconnect the power supply before removing the DC motor.
- 7>。 Remove the DC motor.

5. Applications

- 1>。 Industrial DC motor speed regulation;
- 2>。 industrial conveyor belt speed regulation;
- 3>。 lighting and lighting mediation;

4>。 computer power supply heat dissipation;

5> . DC fan.

6. Note:

1>。 It is suitable for DC motors and can only be connected to DC power, so please do not connect AC 110V or 220V power supply! Otherwise, the module will be damaged!

2>。 The positive and negative poles of the DC power supply cannot be reversed, otherwise the governor will be damaged.

3>。 Motors can be divided into positive and negative directions, and the alignment direction can be changed when the direction of operation is inconsistent with the desired value.

4>。 The potentiometer knob can change the output duty cycle of the governor and thus the speed of the motor.

5>。 Due to manual measurements, please allow a difference of 1-3mm.

7. Packing

1>.1pcs DC motor speed controller with display