

Instruction

PWM four-wire fan speed controller

VHM-802

The development of science and technology brings to human progress as well as with annoyance

Chassis cabinet computer fan temperature control noise reduction

Small and portable

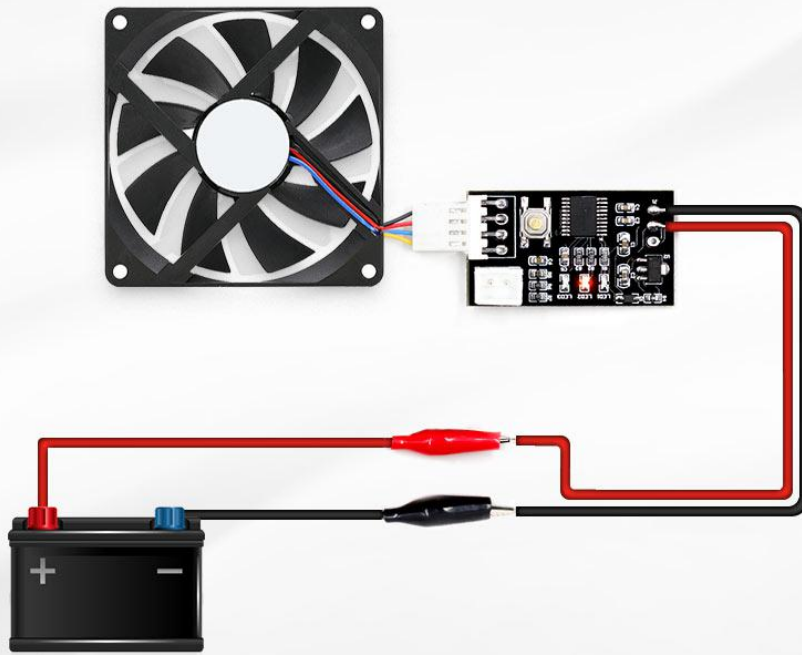
Low heat capacity

Wind speed noise reduction

Safe and durable

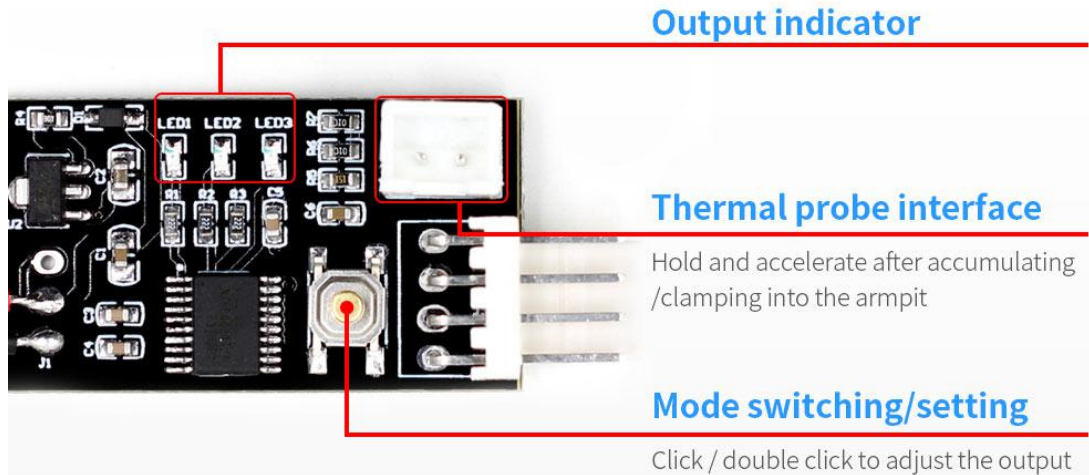


Product wiring



DC 12V voltage

Setting up use






Setting example:

The controller sold from now on has already supported the control of the anti-timing fan. The specific setting method is as follows:

First power off and remove the fan, press and hold the set button to power on the controller, long press the set button for 3 seconds, wait for the three lights to enter the double mountain state and then release, the indicator light double flash, that is, enter the mode setting state ; The controller is divided into three working modes, corresponding to the 1~3 indicator light double flashing, by short pressing the button to switch, after setting, long press the button to save and exit the setting mode and automatically return to the normal working state, the modes are:

- 1.Regular PWM fan control mode (default mode) for four-wire fan control of standard Intel specifications.
- 2.Conventional anti-timing PWM fan control, used for most anti-sequential four-wire fan control. When the fan is in normal mode control, the speed change is reversed. When the control line is connected to the negative pole, it is full speed.
- 3.Anti-timing fan 80% control mode, used for a very rare anti-sequence fan, this fan has the opposite speed change in the normal mode control, and does not rotate when the control line is connected to the negative pole.

 <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> General work <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Set MIN low <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Set MAX high <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Po increased by 5% <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Po is reduced by 5% <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Waiting for saving Fast flashing	 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 30°C <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 35°C <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 40°C <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> 45°C <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> 50°C <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 60°C <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 70°C	 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 5°C <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 10°C <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 15°C <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> 20°C <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> 30°C <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 40°C <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 50°C
Normal operation	Acceleration temperature Tu slow flashing indication	Acceleration width Td flash indicator

$T \leq T_u$: PWM = Po

$T > T_u$: PWM increases with temperature

$T > (T_u + T_d)$: PWM(%) = 100

Normal operation:

Click the button, the bottom line output will increase by 5%, double-click the button, the bottom line output will be reduced by 5%, and the value will be changed for 20 seconds. After the middle indicator stops flashing, the parameters will be saved automatically; long press the button to enter the temperature control setting.

Temperature control setting:

Accelerate the temperature control setting (slow flash) by clicking and double-clicking to respectively raise and lower the setting value, long press to enter the acceleration width setting;

Acceleration width setting (flash) also click to double-click to change the value, long press to save and exit the temperature setting.

The bottom line is 20%, the acceleration temperature is 35°C, and the acceleration width is 15°C. When the probe temperature is lower than 35°C, the output signal is always 20%. When the probe temperature exceeds 35°C, the controller smoothly increases the output signal according to the temperature rise, accelerate;

When the probe temperature reaches or exceeds 50 ° C (35 + 15), the controller outputs the full speed signal, the fan full speed, specifically to the actual fan speed, depending on the specific performance of the fan can be slightly different.

Product information

Product name	PWM four-wire fan speed controller
Product number	VHM-802
Operating Voltage	DC12V can work in the 8-18V range
Current consumption	Not more than 20mA
Fan interface	2510-4P 1 missing 1 bend
Fan current	Interface can withstand 3A
PWM output	10%~100%
Operating temperature	-10°C~60°C
Product Size	34mm*19mm*13mm