



## M42 Control Module



## Features

Suitable motor: 35 stepper motor, 42-40 and 42-60 stepper motor.

Speed range: 0.1-300rpm

Power consumption:  $\geq 15W$

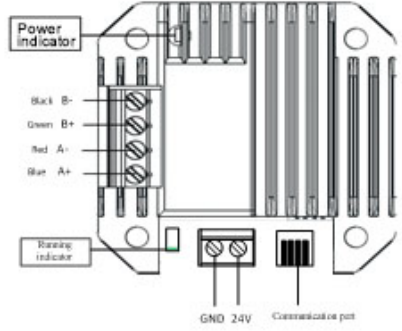
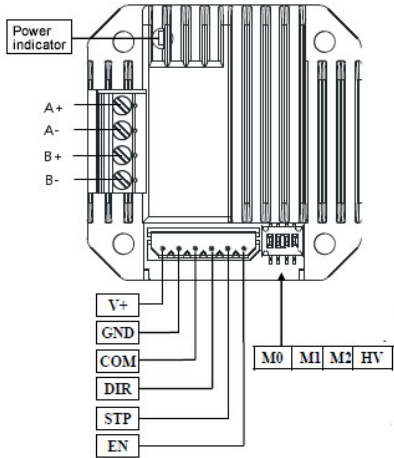
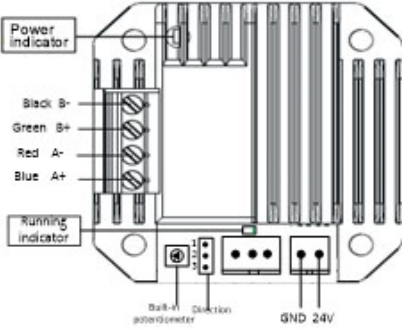
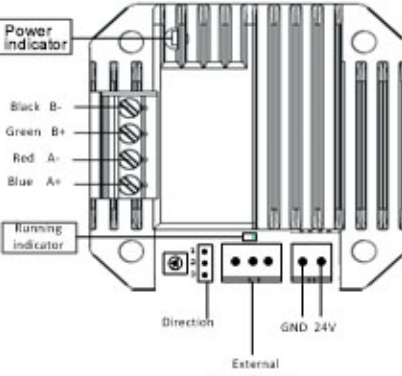
Condition temperature: 0-40°C

Relative humidity:  $\leq 80\%$  RH

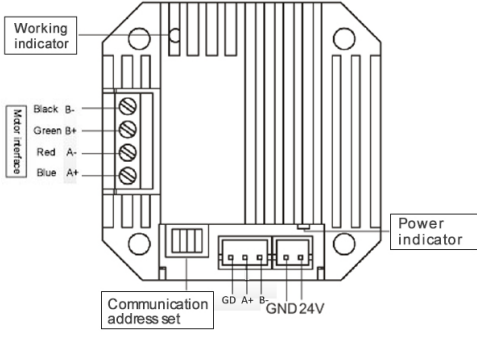
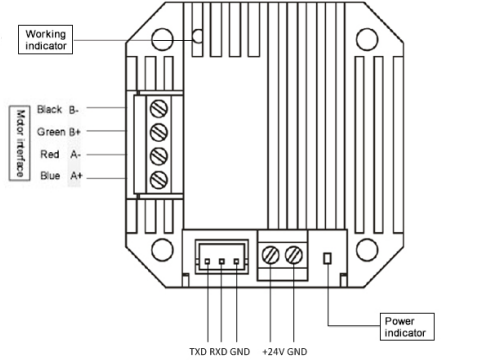
Working environment: Not close to heating equipment, avoid dust, oil mist, corrosive gas and strong vibration.

Model No.	Functions	Wiring Diagram
M42/0-5V	Start/stop control: Passive switch signal control start/stop Speed control: External input analog signal 0-5V Power supply: DC9V~32V (recommend 24V)	
M42/0-10V	Start/stop control: Passive switch signal control start/stop Speed control: External input analog signal 0-10V Power supply: DC9V~32V (recommend 24V)	
M42/4-20mA	Start/stop control: Passive switch signal control start/stop Speed control: External input analog signal 4-20mA Power supply: DC9V~32V (recommend 24V)	



<p>M42USB</p>	<p>Speed control: Preset speed or adjust the speed through USB communication port. Built-in EEPROM can save the setting speed. Subdivision setting: 1/16 Power supply: DC9V~32V (recommend 24V)</p>	
<p>M42P</p>	<p>Speed control: External input pulse frequency Subdivision setting: 1/16(recommend), 1, 1/2, 1/4, 1/8, 1/32 Logic input voltage: 3.3V-5V or 12V-24V Power supply: DC11V~DC28V (recommend DC24V)</p>	
<p>M42RP</p>	<p>Speed control: Built-in potentiometer control speed Subdivision setting: 1/16 Power supply: DC9V~32V (recommend 24V) Power off memory function</p>	
<p>M42RP-A</p>	<p>Speed control: External potentiometer control speed Subdivision setting: 1/16 Power supply: DC9V~32V (recommend 24V) Power off memory function</p>	



<p>M42/RS485</p>	<p>Communication: RS485 communication, Modbus protocol Communication address: 1~32 Power supply: DC9V~32V (recommend 24V)</p>	 <p>The diagram shows the terminal block for the M42/RS485 pump. It features a 'Working indicator' at the top left, a 'Motor interface' with four terminals labeled Black B-, Green B+, Red A-, and Blue A+, and a 'Power indicator' at the top right. At the bottom, there is a 'Communication address set' terminal block with three terminals labeled GD, A+, and B-, and a 'GND 24V' terminal.</p>
<p>M42/RS232</p>	<p>Communication: RS232 communication, Modbus protocol Subdivision setting: 1/16 Power supply: DC9V~32V (recommend 24V)</p>	 <p>The diagram shows the terminal block for the M42/RS232 pump. It features a 'Working indicator' at the top left, a 'Motor interface' with four terminals labeled Black B-, Green B+, Red A-, and Blue A+, and a 'Power indicator' at the top right. At the bottom, there is a terminal block with three terminals labeled TXD, RXD, and GND, and a '+24V GND' terminal.</p>