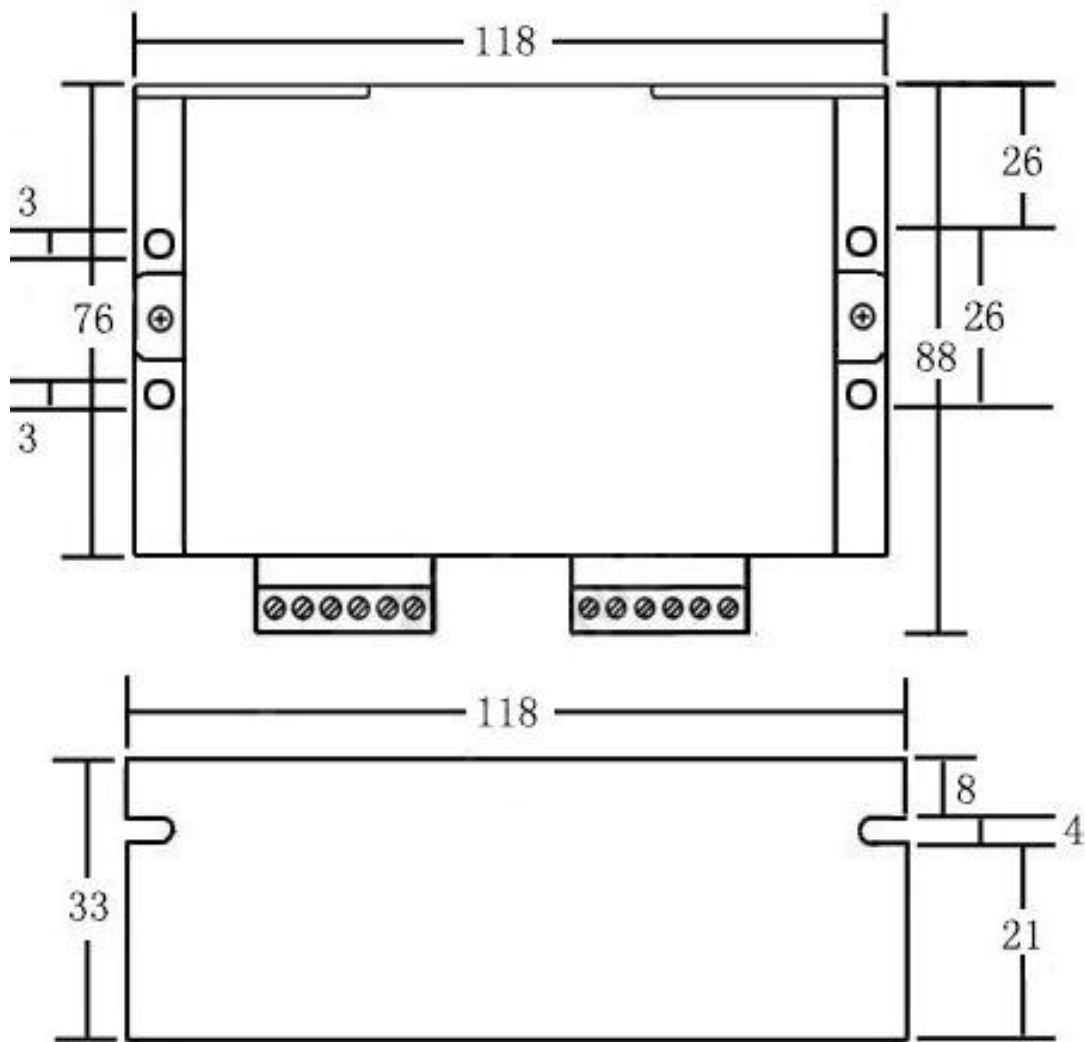
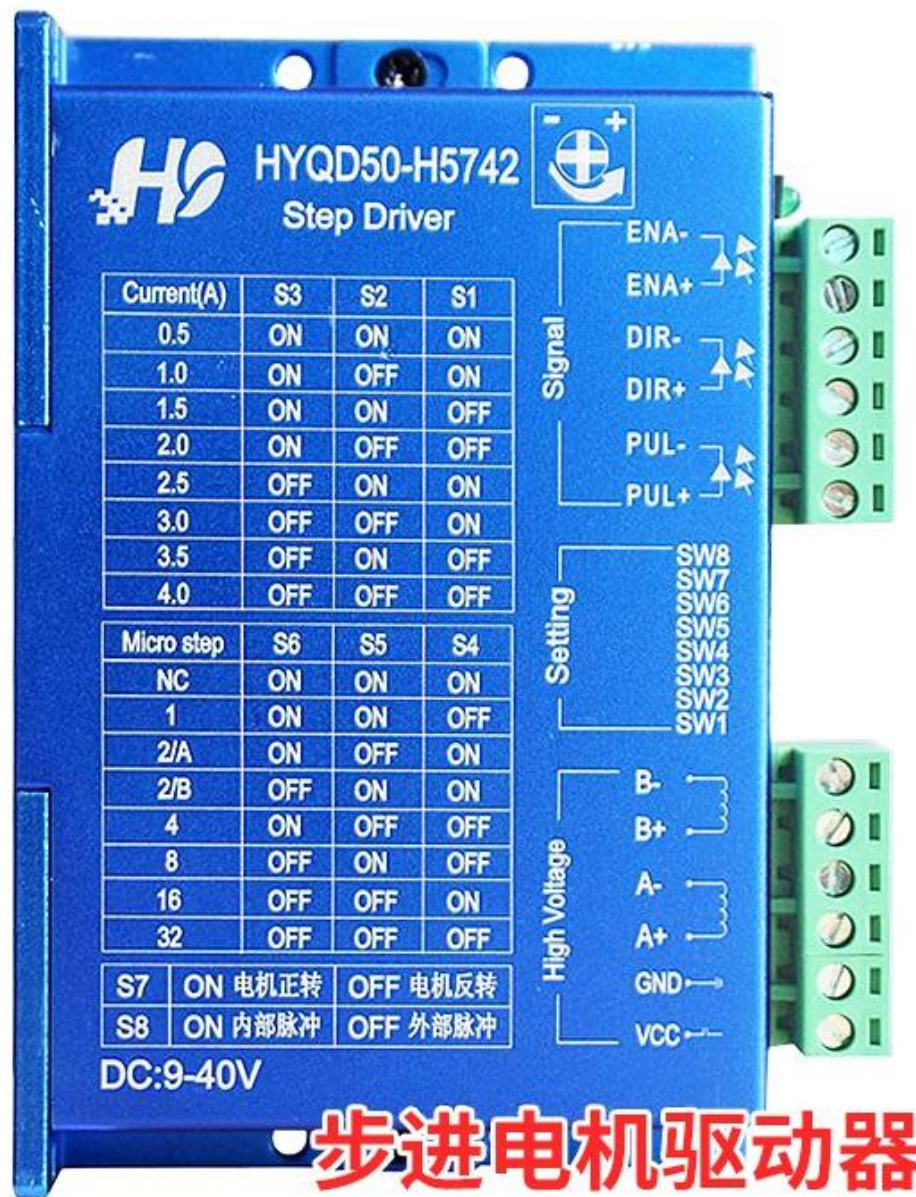


Dimension Drawing :



Unit : mm



## Stepper motor driver

It is a professional two-phase hybrid stepper motor driver, which controls the forward and reverse rotation of the stepper motor by spontaneous pulse (or external pulse). The built-in 10K potentiometer is used for motor speed regulation. It can be adapted to four wire, six wire and eight wire two-phase hybrid stepper motors of various brands at home and abroad, with current below 4.0a and outer diameter of 42-57mm.

### Features :

1. Power supply voltage: 9-40v DC, 12-24V is recommended
2. The peak current can reach 4.0a (it is recommended to drive 57, 42 motors of 1.8nm and below)
3. Optocoupler isolation, common Yin and common Yang input
4. Spontaneous pulse, adjustable speed
5. Strong anti-interference ability
6. It has the functions of overheating, overcurrent, undervoltage locking, input voltage anti reverse connection protection, etc
7. It can drive 4-wire, 6-wire and 8-wire stepper motors
8. Signal input: single ended, pulse / direction

### Connection :

Signal interface: pul + and pul - are positive and negative terminals of control pulse signal; Dir + and dir - are the positive and negative ends of the direction signal; ENA + and ENA - are the positive and negative ends of the enable signal. 3.3v-24v universal, no series resistance is required.

Motor interface: a + and a - are connected to the positive and negative ends of phase a winding of stepping motor; B + and B - are connected to the positive and negative ends of phase B winding of stepping motor. When two-phase windings a and B are exchanged, the motor can be reversed.

Power interface: DC power supply is adopted, and the working voltage range is 9-40vdc.

Indicator: the drive has two green indicators. The upper green light is the power indicator. When the driver is powered on, the LED is always on; The LED goes off when the drive is powered off. If the power on light is not on, it indicates a fault. When the fault is cleared, the green LED is always on. The lower green light is the operation indicator light. The driver receives the pulse, and this light flashes. Once the pulse is stopped, it is always on.

