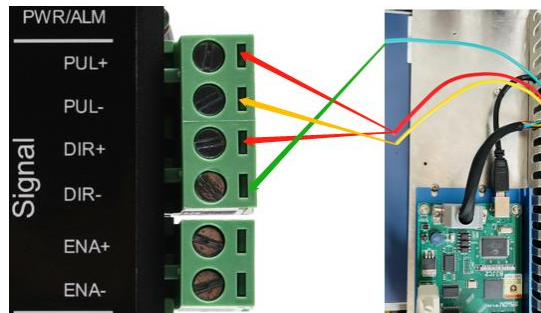# Laser marking machine install drive and rotary

Cloudray marking machine controller has a rotary function by default.

The following operation and installation process are based on the company's marking machine.
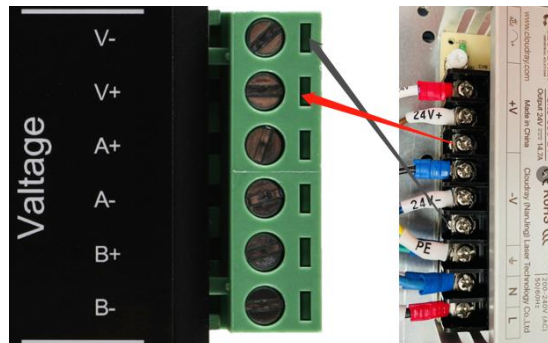
1.  Open the upper cover and side cover of the case, open the upper wire slot cover, find the drive 3 signal wires (Red, Yellow, Green)



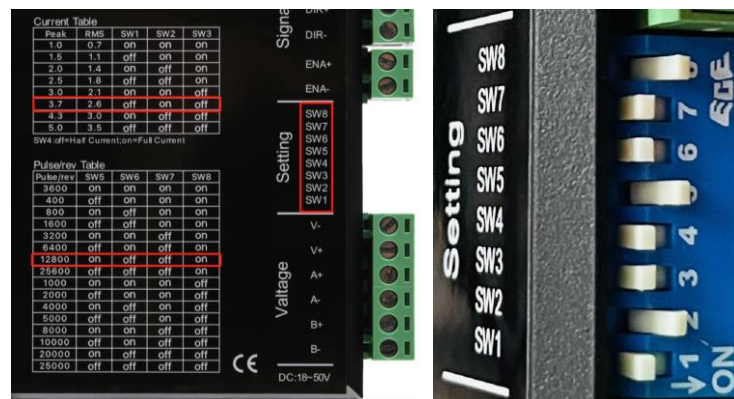2.  Connect red wire to Pul+ and Dir+, yellow wire to Pul-, green wire to Dir-



3.  The drive is connected to 24V switching power supply (V+ to 24V+, V- to 24V-)



4.  The drive A+A-B+B- is connected to the four wires of the rotary motor

 (Connect according to the instructions of the motor wire; if there is no instruction, strip the wires and connect them separately, while turning the rotary. When there is a sense of blockage, it is a group 【A+, A-】, and the other two wires are a group 【B+, B-】)

5.  Driver takes Cloudray DM542S as an example, adjust the driver dial code,
Set current (3.7A) and pulse (12800 or 25600) according to processing requirements
(12800: SW1-OFF, SW2-ON, SW3-OFF, SW4-OFF, SW5-ON, SW6-OFF, SW7-OFF, SW8-ON)
(25600: SW1-OFF, SW2-ON, SW3-OFF, SW4-OFF, SW5-OFF, SW6-OFF, SW7-OFF, SW8-ON)



6.  Completed rotary installation and setup