

Important Read Carefully before you wire electrical CNC KIT

Global Motion Technology Inc is not liable or responsible for any accidents, injuries, equipment and property damage, loss of money or loss of time resulting from improper use of electrical, mechanical or software products.

Since Global Motion Technology Inc basically provide OEM machine builders components to build their machines for their own use or third party use it is their responsibility to maintain certify and comply the end user products built base on our components sold on this website or other Global Motion Technology Inc sales resources.

Assembling electrical CNC machine components like power supplies, motors, drivers or other electrical components involve dealing with high voltage like AC alternative current or DC direct current which is extremely dangerous and can cause bodily injuries or death and it needs high attention & essential experience and knowledge of electricity, electro-mechanic & software, if you are not sure about your wiring get an expert electrician before your plug it into power.

This wiring instructions below is covering the wiring of the main components the final design, the wires/cables current & voltage rating the enclosure the additional safety fuse, circuit breaker, contactor etc... of the final controller is fully the job and responsibility of final builder of the equipment.

The words, DANGER, WARNING and STOP, have the following meaning:



Indicates a potentially hazardous situation and if not avoided, may result in serious injury or death.



Indicates a potentially hazardous situation and if not avoided, may result in minor to moderate injury or serious damage to the product.

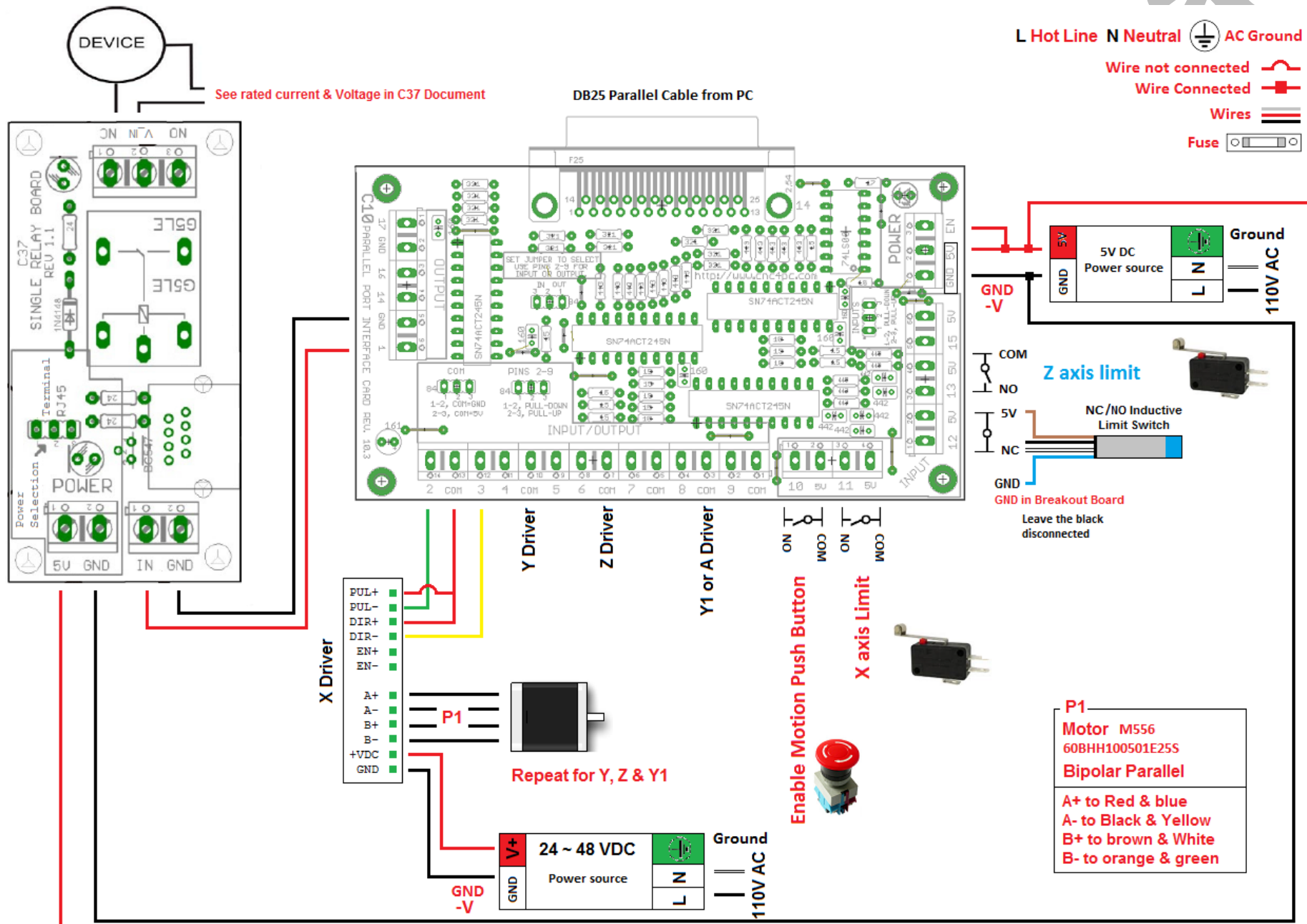


Indicates an improper action that it is not recommended. Doing so may cause damage or malfunction.

Refer to the detail manual of the parts on the manufacturer website or contact us if you need any extra manual.

Note: Stepper motors should be tested first at very low speed and very low acceleration 5% of the max RPM without being connected to your mechanic, Stepper motors might jump and act dangerously and cause body injuries If they are set for high acceleration and/or speed in the control system

After connecting to your mechanic the motor should be tested the same way, speed and acceleration should be increased at 5% until you reach the maximum required speed, Note some mechanic will not run at maximum motor RPM, if the mechanic is not working fine at certain speed make sure to reduce the RPM to the proper one needed by your mechanic



**Note Y1 and Y2 should be wired to Y pins in breakout board to change the direction of one motor switch phase A+ with A-
In the breakout board set the COM jumper to pins 2-3**

For driver setup refer to M542-D42.pdf file to setup the right current, voltage & step division base on your application requirements

Refer to 60BHH100501E25S (M556).pdf for XYZ Motors for detail Motor wiring

Refer to C10.pdf for more specs on breakout board.

Refer to C15.pdf for more specs on relay board if included in kit.