

RELAY BOARD 6 WAY 48V WIRING DIAGRAM



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**INFORMATION IS SPECIFIC TO OUR PRODUCTS AND CAN CAUSE
DAMAGE IF USED WITH NONE COMPATIBLE PRODUCTS SO PLEASE
CHECK WITH YOUR SUPPLIER FOR COMPATIBILITY**

These drawings are supplied as a guide no guarantees are implied or given.
Caution when wiring and check with a qualified professional if unsure.
Documentation will be updated amended at the discretion of CNC4YOU Ltd.

Please Read Carefully Before Wiring Your Machine or System

CONDITIONS OF USE

Certain laws and regulations apply to your use of CNC machines and automated equipment and it is essential you comply with your local and any international regulations for construction and use of automated equipment.

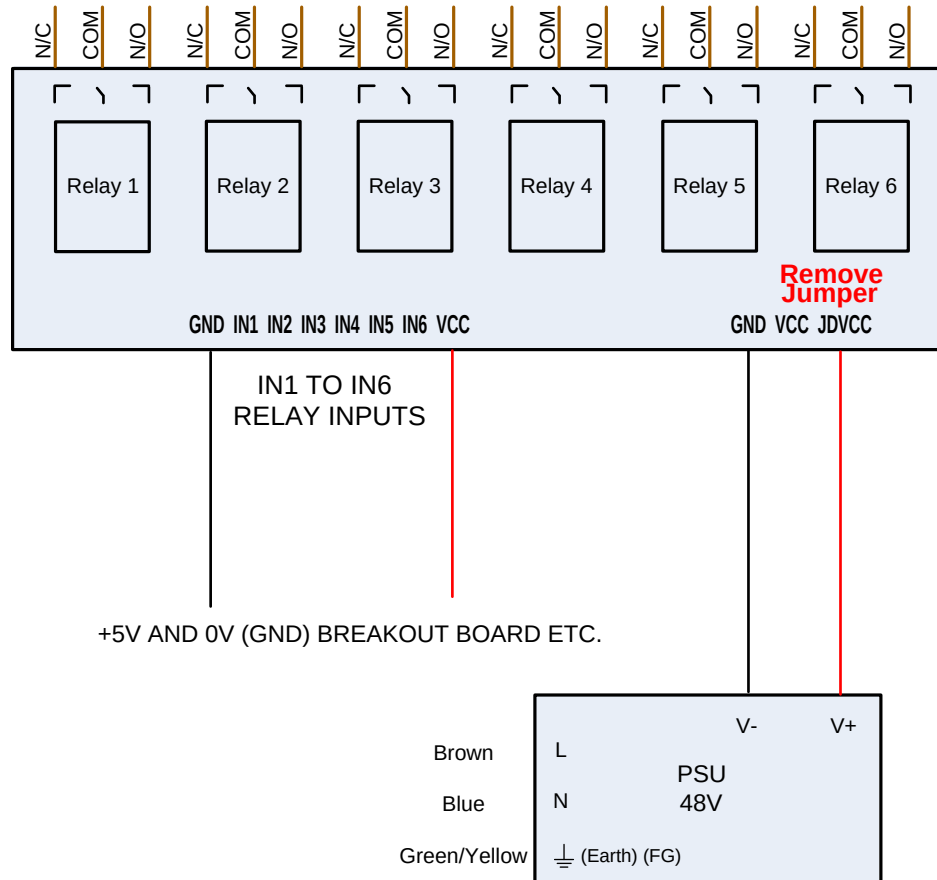
These diagrams are a guide to wiring your machine and do not constitute advice or direction to complying with your legal obligations and any health and safety requirements you must comply with. It is crucial you understand the dangers and safety implications when automating your machine or system and special care must be taken when automating your spindle or other cutting tools or equipment and we are showing a simple setup which will be amended without notice to show the complexity of automating cutting tools, but you are again responsible for meeting and understanding your specific end customer use and or meeting all necessary safety regulations and these can and do change regularly so consult your local regulations and make sure you observe all safety regulations .

You are required and agree to maintain compliance with all applicable laws and regulations. You understand and agree that you are solely liable for compliance with such laws and regulations, and under no circumstances shall CNC4YOU Ltd. be responsible or held liable for such compliance. You understand that breach of such laws and regulations may result in both criminal and civil sanctions against you. In accordance with these terms and conditions for CNC4YOU Ltd. you agree to indemnify CNC4YOU Ltd. for any violation of such laws and regulations. If in doubt seek professional advice if you are unsure of your legal obligations.

CNC4YOU Ltd assumes our equipment will be integrated into Industrial control equipment and as above integrated safely to avoid injury to yourselves or third parties. This equipment has not been designed for implicit use for life support applications or intrinsically safe designs where life threatening or critically safe use is required. Our products have not been specifically designed as fail-safe equipment. It is advisable to give adequate training and safety procedures to operators using automatic equipment.

Before using any drawings or wiring diagrams please check on our website for latest version, all wiring diagrams should have a version number if not please contact us so we can amend and issue version information.

RELAY BOARD WIRING



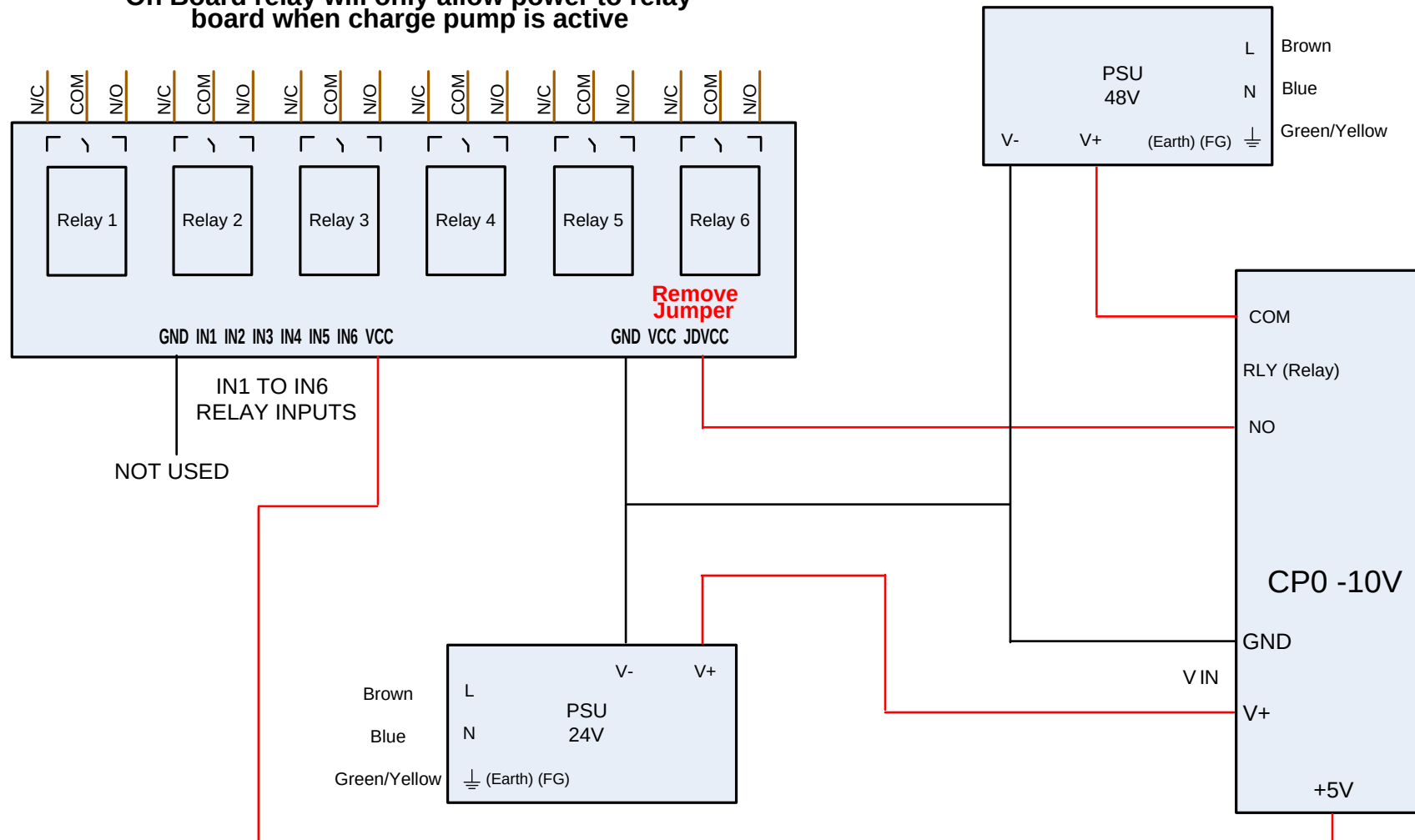
Normally open Switches used for Water Pumps
Cooling Systems air solenoids etc.
Not to be used for safety critical switching like
operating Spindle Motors etc.

Relay board should be powered from separate
Power Supply this gives isolation from relay to
breakout board and electronics so using on board
optoisolators as protected interface, also most
breakout boards do not have the current capacity
to drive these types of boards which can lead to
missed steps and other related problems.

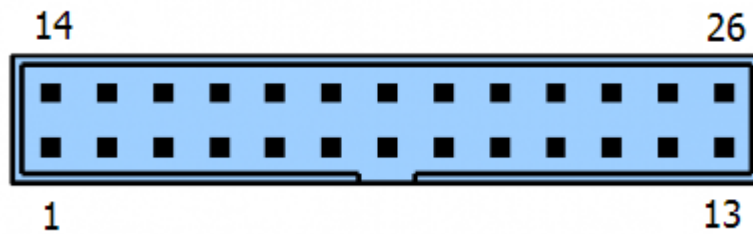
CP0-10V BOARD WIRING USING ON BOARD CHARGE PUMP RELAY

Relay board must be powered from separate Power Supply this gives isolation from relay to breakout board and electronics so using on board optoisolators as protected interface.

On Board relay will only allow power to relay board when charge pump is active



UC400ETH PORT 2 PORT IDENTIFICATION



Pin number	Signal type
1	Output 1. to IN1
2	Output 2. to IN2
3	Output 3. to IN3
4	Output 4. to IN4
5	Output 5. to IN5
6	Output 6. to IN6
7	Output 7.
8	Output 8.
9	Output 9.
10	Input 10.
11	Input 11.
12	Input 12.
13	Input 13.
14	Output 14.
15	Input 15.
16	Output 16.
17	Output 17.
18-25	Ground Pin 18 to GND
26	5 Volt output