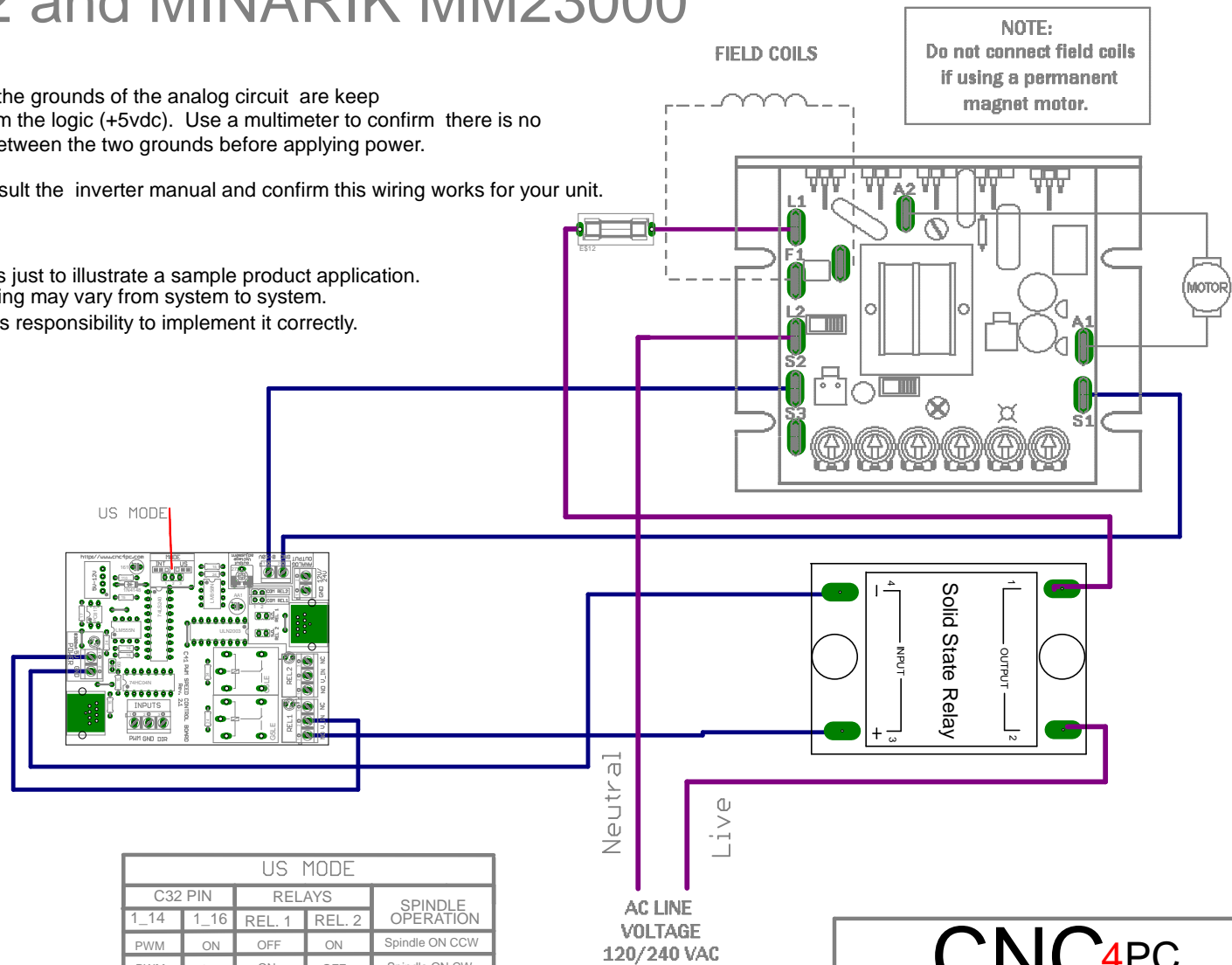


# C41R2 and MINARIK MM23000



- Make sure the grounds of the analog circuit are kept isolated from the logic (+5vdc). Use a multimeter to confirm there is no continuity between the two grounds before applying power.
- Please consult the inverter manual and confirm this wiring works for your unit.

Note:  
This wiring is just to illustrate a sample product application.  
Specific wiring may vary from system to system.  
It is the user's responsibility to implement it correctly.



**NOTE:**  
Do not connect field coils  
if using a permanent  
magnet motor.

| US MODE |      |        |        |                   |
|---------|------|--------|--------|-------------------|
| C32 PIN |      | RELAYS |        | SPINDLE OPERATION |
| 1_14    | 1_16 | REL. 1 | REL. 2 |                   |
| PWM     | ON   | OFF    | ON     | Spindle ON CCW    |
| PWM     | OFF  | ON     | OFF    | Spindle ON CW     |
| OFF     | ON   | OFF    | OFF    | Spindle OFF       |
| OFF     | OFF  | OFF    | OFF    | Spindle OFF       |

| INT MODE |      |        |        |                   |
|----------|------|--------|--------|-------------------|
| C32 PIN  |      | RELAYS |        | SPINDLE OPERATION |
| 1_14     | 1_16 | REL. 1 | REL. 2 |                   |
| PWM      | ON   | ON     | ON     | Spindle ON CCW    |
| PWM      | OFF  | ON     | OFF    | Spindle ON CW     |
| OFF      | ON   | OFF    | OFF    | Spindle OFF       |
| OFF      | OFF  | OFF    | OFF    | Spindle OFF       |

**CNC<sup>4</sup>PC**  
<http://www.cnc4pc.com>

|  |                   |
|--|-------------------|
| Designed: YAC                                    | Date: MAR-05-2013 |
| Revised:   | Date:             |
| Item: C41R2 and Minarik                          | Ver.: 1           |
| Description:<br>C41R2 and Minarik MM23000 Series |                   |