

AC Wiring

IMPORTANT!

Please read carefully

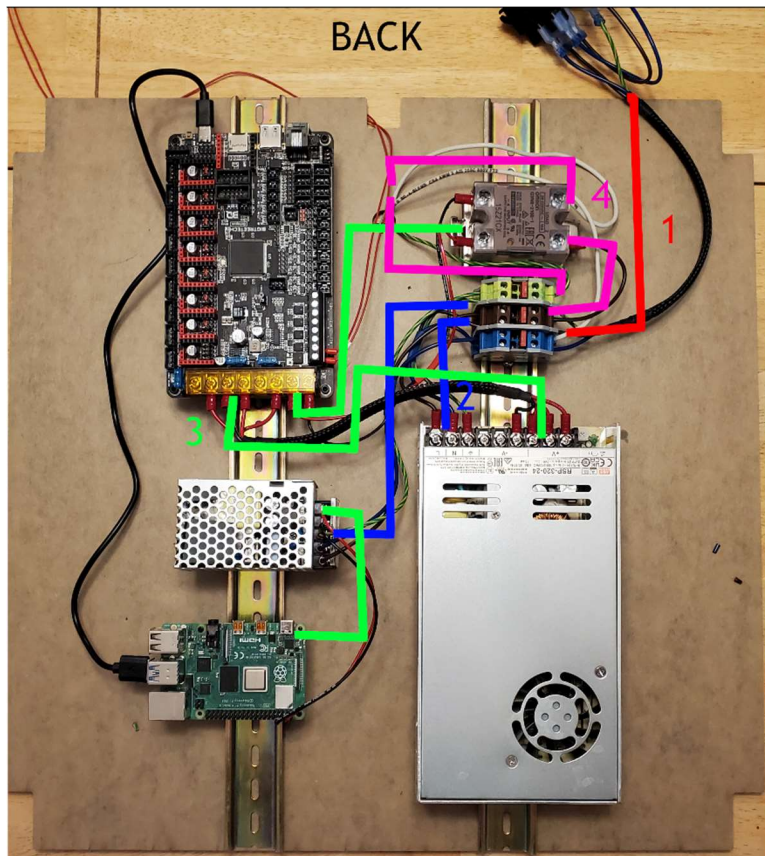
Please make sure the following wiring is followed. **Please note the DIN rails are mounted 90 degrees** to what is showing in the Voron 2.4r2 manual on page 29.

If you do not install the DIN rails to run front to back, with the electronics positioned as shown, then the included wiring will not reach.

The BAT85 diode for the inductive probe is presoldered and covered in heat shrink on the appropriate wire.

Questions?

support@spool3d.ca



1. Inlet to AC Distribution

2. AC Distribution to Mean Well Power Supplies x 2

3. DC Distribution to Octopus, SSR control and Pi

4. AC Bed Wiring between Bed, AC distribution and SSR

FRONT

Higher resolution photo:

https://spool3d.ca/content/Voron/s3d_wiring_voron2.4r2.JPG

Packages in your kit:

Terminal Blocks Kit:

- Installed on DIN rail (please see separate photo linked above)

Inlet Wiring Kit:

- Power Cord = the holes in the wall -> Inlet
- Inlet -> terminal block (G) and Mains switch (L and N)
- Mains switch with wiring -> terminal blocks (L and N)

AC Wiring Kit:

- Shorter = Terminal Blocks -> Mean Well LRS200-24
- Longer = Terminal Blocks -> Mean Well LRS25-5
- Brown Wire = Terminal Block -> SSR Load '2'

DC Wiring Kit:

- 4 wire set = Mean Well LRS200-24 -> Octopus power in (+/-), Motor Power (+), Bed Power (+)
- 2 wire set = Octopus Bed Out -> SSR Input
- Small Gauge = Mean Well LRS25-5 -> Pi GPIO (Voron Manual Page 219)

Bed Wiring Kit (See Photo Below for Connections):

- Separate white wire = Terminal Block Blue (N) -> Wago Block 1
- Thermal Fuse = Wago Block 1 -> Wago Block 2
- Short Bed Heater Wire = Wago Block 2
- Long Bed Heater Wire = SSR Load '1'
- Green Wire = Terminal Block (G) -> Bed Plate
- Bed thermistor is installed sandwiched between the plate and the bed heater

