

Wiring Your Power and Bed

Wiring the power can seem complicated especially since it is mixing A/C and D/C power. I made this diagram to assist with the wiring of the main 24v power as well as the bed power being passed through the SSR (if using an A/C bed, which most are). The blocks with 4 orange marks on them represent either your Wago or power distribution block depending on what you are using.

The layout is not going to match perfectly to your boards and such. Depending on the MCU and/or PSU you are using locations of ports may be different, but the wiring will be the same.

Your bed heater needs to have a thermal fuse. Most reputable companies have already put one in the wiring for the bed from the factory. If your bed does not have one you will need to add one.

The ground from the Wago or power distribution block will go to one of the mounting screws for the SSR. Which side will not matter. If you are using 3 port Wagos, you can go to the SSR mounting screw, and then from the other mounting screw to the bed.

