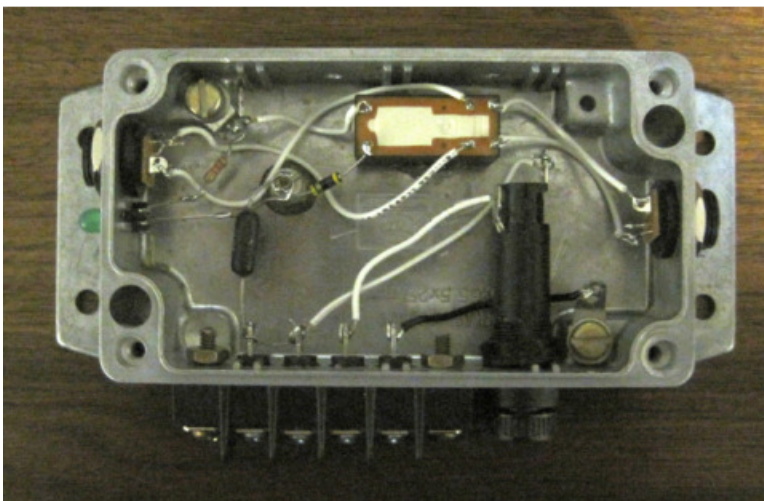
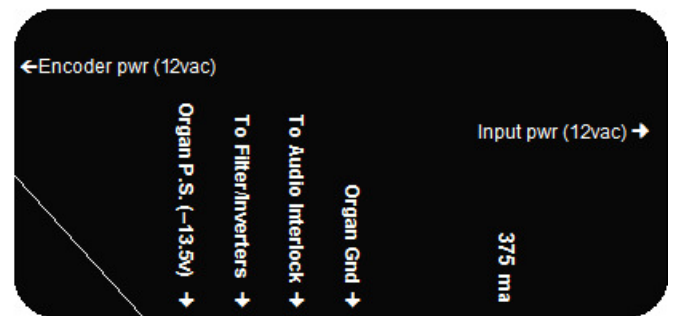


2.3 Console Control Box

The console control box accepts as input the main -13.5v Moller organ supply voltage. When this voltage is present, a relay is used to switch 12vac to the encoders from a 12vac wall wart power supply. The encoders will run off either 12vac or +12vdc, but not -12vdc. That is the reason a unique power supply is used instead of the console -13.5v power. The control box is also the tie point for voltage to the filter-inverters and the audio interlock unit in the control room.

The organ -13.5v supply voltage is routed through a 375ma fuse before being sent to the remote audio interlock assembly. If the remote audio interlock is not receiving an input Vsense voltage, then this fuse may be blown. The green LED indicates that the organ -13.5v voltage is available to the digital system. If it is not lit the most likely reasons would be that the inline fuse is blown or that the organ itself does not have it's dc voltage.



The input/output jacks are DigiKey CP-011B
These are 2.5mm ID, 5.5mm OD
This is the same size as the keyboard encoders.

The relay is DigiKey RT444012F-ND, 12V DPST
The coil is 360 ohm, 33.3 ma