

## Woodburner parts

Purchased from Allied electronics [alliedelec.com](http://alliedelec.com)

Transformer	Triad F-3x	\$15.50	70218153
Dimmer	Lutron D600R	\$6.00	Lowes

All of the other parts are completely optional, but these are what I bought from Allied. Radio Shack also has most of the switches, fuse holders, etc. The styles of the switches are also optional...just depends upon what you like and how much effort you want to put into it. For example my square off/on switch involves a dremel with a cutoff wheel to make the square opening. Rockers, toggles, push buttons, etc. are all available and do the same job. Some are even lighted. The dimmer is pretty much mandatory since it's the only electronic rotary one I could find. Mine is a push on and off, but it is also available in rotary off, but I couldn't find it here.

Rocker switch	.96	70207352
Toggle switch spdt	4.74	70192207
Fuse holder	1.82	70149533
Fuse	.51	70149616
Jack phone plug 1/4"	1.82	70214523
Pilot light	2.28	70130174
Aluminum box	23.00	70148697

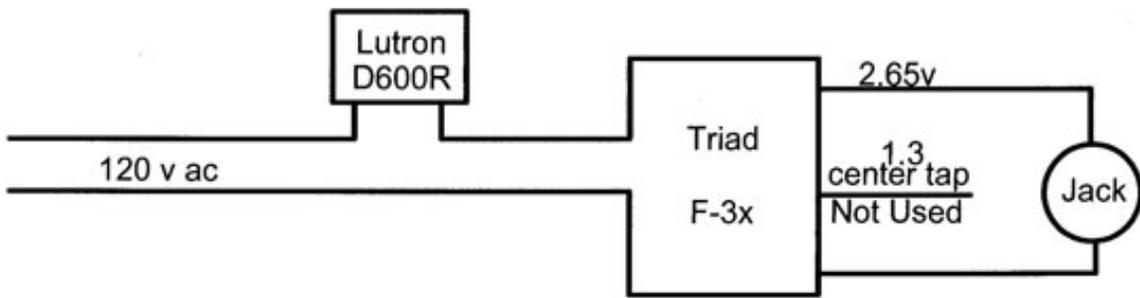
A smaller box will do if you don't want to have a cooling fan. There are also much cheaper project boxes...some plastic...some sheet metal. Any old power cord cut from a throwaway will work. My cooling fan was from an old computer and was 12v DC, so I used an old wall plug in transformer to supply the power, but there are small 120V fans which can be found...maybe radio shack? I used 16 gauge wire for internal wiring. Some soldering will be necessary, although wire nuts can work, and there are switches which use screw terminals or automotive type crimp on spade terminals.

We hooked up Gregg's Colewood pens to the box today, and he tarted up one of his umekis with petroglyphs. Worked fine. Makes the pens glow red hot at full power, and needs to be turned to about half to work.

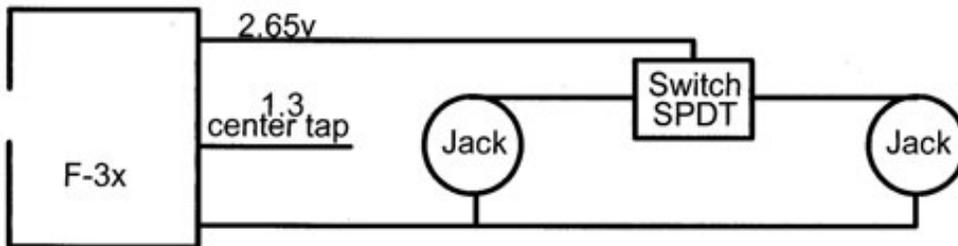
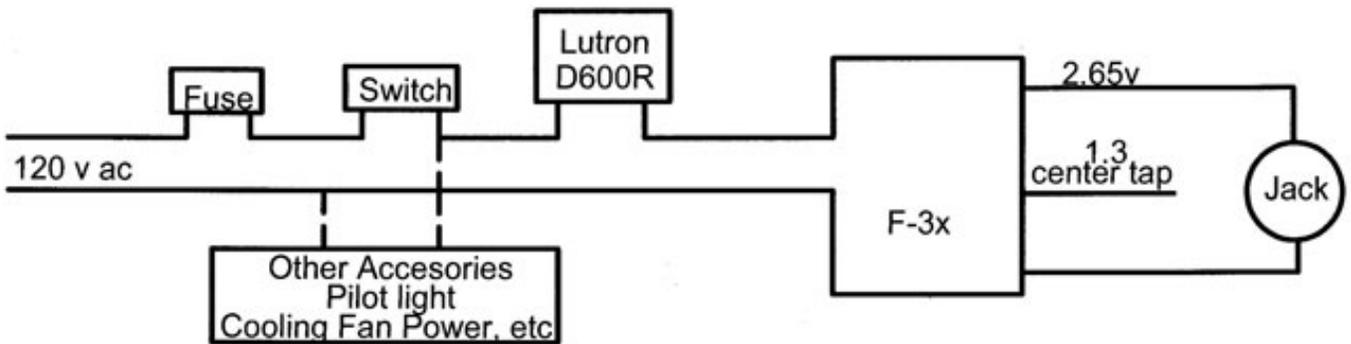
Another possible wiring hookup would be to use the bottom diagram but use the smaller F-3x transformer to give two separate voltages at the jack for a finer adjustment possibility. You could even do that with two jacks as well, full power at one and half at the other, but I haven't included the wiring diagram. Can do one for you if you want.

Happy burning, and don't inhale!

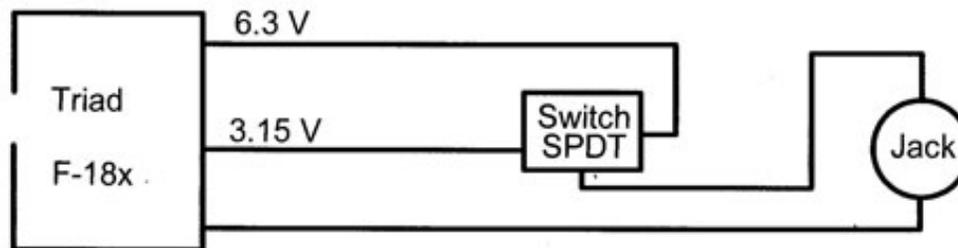
PS....Allied doesn't stock this transformer, and I had to wait a couple of weeks. Mouser.com does stock them for \$17.22 part # 553-f3x. Allied will mail usps, don't know about mouser.



Most Basic Wiring diagram



Selectable for two pens, one at a time



Twin voltage for barbecuing your wood