

BREWTRROLLER

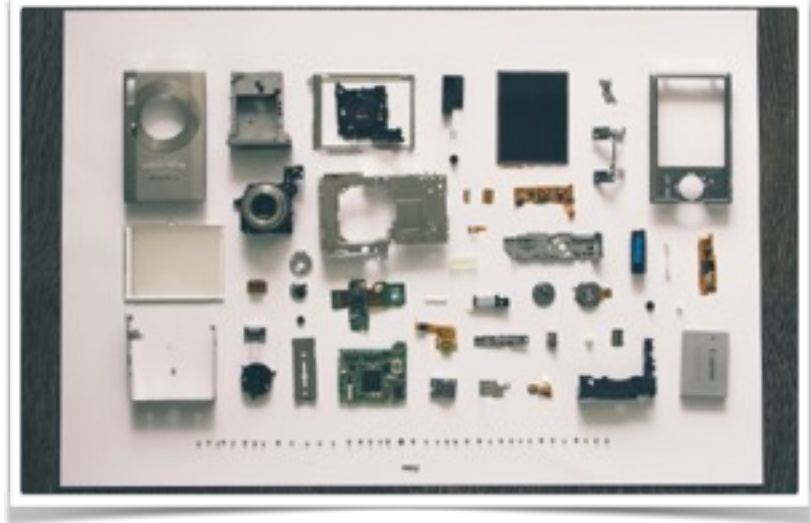
Parts List

Other Suppliers

BrewTroller.com doesn't carry everything (yet). Some great resources include I2C Cables at BrewersHardware.com, and RGBIO and Pressure sensors at widgeneering.com

Experiment!

This parts list is not complete, and only begins to represent what you can do! Think outside the box, let us know if we can help you integrate new sensors or controls!



The Parts You Need

Lets get down to the nuts and bolts now. These are the parts you need to build your BrewTroller Control Panel. I will do my best to give you links to where you can buy, what the cost is, and how many of them you will need.

These parts lists have to be generic, so YMMV (your mileage may vary). Use these as a guide to help you!

On these parts lists, I have made some assumptions, and have provided links to sites other than BrewTroller's own website. I can not guarantee anything purchased elsewhere.

It also goes without saying that this DIY approach is at your own risk. You are playing with high voltages or explosive gasses. Please make sure you are comfortable with what you are doing, or seek professional help assembling the parts you do not understand.

Basic BrewTroller Control Panel - Electric Brewing

If you are looking to do the bare minimum, or have a very limited budget, these are the things you need to do a BASIC control Panel for an Electric Brewery. This is assuming 2 heating elements.

	# Needed	Cost Per	Total	Link
Phoenix Control Board	1	\$225.00	\$225.00	BrewTroller.com
I2CLCD Controller	1	\$29.99	\$29.99	BrewTroller.com
Rotary Encoder	1	\$6.99	\$6.99	BrewTroller.com
20x4 LCD	1	\$11.99	\$11.99	BrewTroller.com
Power Switch	1	\$5.99	\$5.99	BrewTroller.com
12v Power Supply	1	\$24.99	\$24.99	BrewTroller.com
Enclosure	1	\$69.99	\$69.99	http://goo.gl/f4ZKff
SSR	4	\$11.99	\$47.96	BrewTroller.com
Heatsink	4	\$11.99	\$47.96	BrewTroller.com
M12 Panel Mount	1	\$12.99	\$12.99	BrewTroller.com
M12 Splitter	2	\$9.99	\$19.98	BrewTroller.com
M12 Cable 2M	1	\$12.99	\$12.99	BrewTroller.com
4" Temp Probes	3	\$20.99	\$62.97	BrewTroller.com
Power Cord	1	\$3.99	\$3.99	http://goo.gl/cxVqma
LCD Bezel	1	\$9.99	\$9.99	BrewTroller.com
I2C Cable	1	\$5.00	\$5.00	http://goo.gl/CBXQnL
Asstd Wires and Screws	1	\$10.00	\$10.00	
Total			\$608.77	

Basic BrewTroller Control Panel - Gas Brewing

If you are looking to do the bare minimum, or have a very limited budget, these are the things you need to do a BASIC control Panel for an Electric Brewery. This is assuming 2 burners.

	# Needed	Cost Per	Total	Link
Phoenix Control Board	1	\$225.00	\$225.00	BrewTroller.com
I2CLCD Controller	1	\$29.99	\$29.99	BrewTroller.com
Rotary Encoder	1	\$6.99	\$6.99	BrewTroller.com
20x4 LCD	1	\$11.99	\$11.99	BrewTroller.com
Power Switch	1	\$5.99	\$5.99	BrewTroller.com
12v Power Supply	1	\$24.99	\$24.99	BrewTroller.com
Enclosure	1	\$69.99	\$69.99	http://goo.gl/f4ZKff
Double Relay Module	1	\$8.66	\$8.66	http://goo.gl/oyt9TV
Gas Solenoid	2	\$68.95	\$137.90	http://goo.gl/s9nsU5
M12 Panel Mount	1	\$12.99	\$12.99	BrewTroller.com
M12 Splitter	2	\$9.99	\$19.98	BrewTroller.com
M12 Cable 2M	1	\$12.99	\$12.99	BrewTroller.com
4" Temp Probes	3	\$20.99	\$62.97	BrewTroller.com
Power Cord	1	\$3.99	\$3.99	http://goo.gl/cxVqma
LCD Bezel	1	\$9.99	\$9.99	BrewTroller.com
I2C Cable	1	\$5.00	\$5.00	http://goo.gl/CBXOnL
Asstd Wires and Screws	1	\$10.00	\$10.00	
Total			\$659.41	

BrewTroller Add-Ons and Accessories

If you are looking to expand on what your BrewTroller can do, these are the parts you can lean on to expand the capabilities and really turn your Brewery into something special!!

	Cost Per	Link
2 Way Motorized Ball Valves	\$34.99	BrewTroller.com
3 Way Motorized Ball Valves	\$122.99	http://goo.gl/5Su0nX
12v Flashing Buzzer	\$7.99	BrewTroller.com
22mm LED Indicators	\$5.99	BrewTroller.com
3 Way Switches	\$5.99	BrewTroller.com
Pressure Sensor (Volume Measurement)	\$28.99	http://goo.gl/Ofw5kT
RGBIO Module	\$36.99	http://goo.gl/DkCitb
PID Module	\$39.95	http://goo.gl/72l2h9
BrewTroller Web App	Free	BrewTroller.com/webapp

Conclusion

Again, these are just a small idea of what you can do, and what is available. These are the commonly used parts. With a little dreaming and ingenuity, you can add a lot of features, sensors, and capabilities to your BrewTroller!

We at BrewTroller would be happy to help you answer any questions, just contact us on the website. There is also a user forum available, and a BrewTroller Users Group and and BrewTroller Page on Facebook you can use to connect with other users!

Cheers!