



# HOT LIQUOR TANK DIGITAL CONTROLLER

## FOR 30 AMP HEATING ELEMENTS

Thank you for purchasing your BrewBuilt Digital Hot Liquor Controller. This unit is built from industrial parts and has a max current rating of 30 amps at 240V. The plugs are molded on for water protection but do not make a watertight seal to the mating connector.



### SAFETY WARNING

- DO NOT exceed 30 amps at 240V.
- DO NOT get the plugs wet.
- DO NOT connect the element with the Burner Enable Switch set to the Enabled position.
- DO NOT get your controller wet.

With the Burner Enable Switch set to Disabled the contactor cuts both legs of current making the output plug safe. Disabled mode is designed so you can program your controller and connect and disconnect your element safely. Connecting a plug with power applied will wear out your plugs and could be a fire hazard.

### SETUP

- 1 Attach your controller to the wall or brew stand. We recommend mounting close to the Hot Liquor Tank and using an extension cord on the input side if needed. Make sure the cord is rated for 30 AMPs.
- 2 Make sure both the Power Switch is in the Off position and the Burner Enable Switch is in the Disabled position.
- 3 Plug the Element into the Female Output lead.
- 4 Plug the Male Input lead into your wall power outlet.
- 5 Insert the temperature probe into a thermowell in your Hot Liquor Tank.
- 6 Fill your Hot Liquor Tank.
- 7 Power on the Controller.
- 8 Set your Set Point on the controller.
- 9 Switch the Burner Enable Switch to Enable.

## PROGRAMMING

Your controller comes preset to be in On and Off Mode and programmed with what we think are the best settings for homebrewing. If you have a different use for your controller other than running a hot liquor tank, you may wish to change the settings. The controller has a PID feature but be careful while programming it to make sure the contactor does not turn on excessively. This can prematurely wear out your contactor as it is only designed with a 200,000 electrical cycle life. We recommend not setting the Ctrl setting below 18 seconds.

The only setting you will need to change is the Set Point. Adjusting it is very simple: **Hold down the up or down arrow buttons until the desired temperature is set.**

## CLEANING

The case of your Hot Liquor Controller is designed to be water resistant but we cannot expect it to survive being submerged or sprayed with a hose. You may unplug it and wipe it down with a damp cloth as needed. It is made from 304 stainless steel and you may use your household stainless cleaning products on it if needed. Be careful to not scratch the laser etched logo or writing. Cleaning the logo with Acid will turn it white.