

Installation Notes for ISOMAC VENUS

The following information was provided by customer "JB", who performed a successful installation of a Watlow SD3C (brew temp control only) Silvia PID kit on his Isomac Venus in 2007. MLG Properties, LLC has not independently verified the suggestions and observations offered, so it is passed along here as "for information only."

Venus / Sylvia PID Installation Differences:

- 1.) Two halves of body are riveted together and cannot readily be taken apart. This is not a problem, but increases the amount of patience needed to install the splitter for the ground wires located at the base of the boiler, and for wiring in general.
- 2.) No holes in base for PID wires. Two exit holes must be drilled in a line: one through base and another directly below that through the shelf that holds the water tank. I located mine in the back left corner if you are facing the front of the machine, just behind the power cord. I recommend spending a little extra on a good metal-cutting drill bit to cut as clean of a hole as possible. Nevertheless, the rubber grommets should help smooth even the roughest holes out.
- 3.) Location of brew thermostat is different. On Venus it is located directly in center of boiler.
- 4.) Thermostat is 4mm stud type and must be completely removed for installation of thermocouple.
- 5.) Venus thermostat wire connectors slightly too large for coupling in kit. I used a pair of wire cutters to snip the two sides of each coupling and this allowed the Venus wires to slip snugly into them for a very secure fit.
- 6.) Location of SSR. I mounted mine with a small "dollop" of epoxy just behind the splash guard on the left side of the Venus. I used sandpaper to etch/roughen the back of the SSR and the stainless interior and swiped both with alcohol before applying the epoxy. The relay is not going anywhere without a fight, but can be removed with a bit of one if replacement is ever necessary.
- 7.) On/Off switch is horizontal on Venus, so unless you want PID to be ON all the time, splitters should be attached to the top and bottom on the left, if you are facing the front of the machine.

Suggestion / Additions For a Kit to PID the Venus:

- 1.) Two rubber grommets of the same diameter as for the PID unit. One for the hole drilled in the bottom of the unit and the other for the hole drilled in the "false bottom" or shelf that holds the water tank.
- 2.) 4mm screw for mounting thermocouple
- 3.) Larger couplings to accommodate Venus thermostat flag connectors
- 4.) Fastener strip to attach SSR behind splash guard (as a substitute for epoxy)