

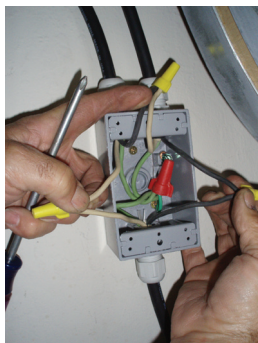


This guide is intended to take you through the steps needed to wire a Kreyer Glycol Fan Unit for cooling your barrel room or winery. The process is pretty straightforward, but if you hit any snags please of course feel free to give us a call or drop an e-mail to the address at the bottom of this page. Remember that working with electricity is very dangerous and if you are not qualified to do this yourself we recommend strongly that contract with an electrician to perform the installation. If you do elect to do the install yourself, please remember to cut the power to the circuit you're working on!

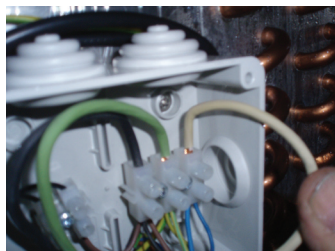
1) The first step in the process is to install a junction box on the wall and run your wall power into the box as shown to the right. Of the 3 wires in your 220V cord, two (black and white) are hot leads and one (green) is the ground, or common, lead. Prepare a short piece of cord to connect the junction box to the temperature controller (green in the center, the other two don't matter), and a longer piece to connect the box up to the fan unit, and move on to step 2. We'll cover wiring to the fan unit in step 3.



2) Now it's time to connect the wires from all three segments; the one from the wall, the one from the controller, and the one from the fan unit. We prefer standard wire nuts to make the connection. The ground wires (green) are the easiest, all three go together. Now locate the two hot leads coming from the wall cord. The black lead should connect to the black lead which comes down from the temp controller. The white lead from the wall should connect to the white lead from the fan unit. Finally, connect the white lead from the temp controller to the black lead from the fan unit to complete the circuit.



3) Now remove the right-hand panel from the fan unit (when viewed from the front) and open the electrical box mounted inside. Run the cord coming up from the junction box into the electri-



cal box of the fan unit and connect the leads into the tree in the upper right side of the box. The ground wire (green) needs to go in the center terminal, but past the wires' placement doesn't matter - that is to say that whether the black or white lead goes on the left or right does not matter. Presto, you're finished - unless you want to add on an:

Optional Solenoid Valve for Fan Unit

4) Installing the optional solenoid valve for the fan unit is simple as well. The valve installs on one of the posts that serves as the inlet and outlet for the fan unit. The upper photo here is looking up from underneath the fan. The wire running along the back of the fan is the one for the solenoid, and it runs into the back of the fan unit, then into the same electrical box that the main power cord ran into. We're going to wire the solenoid into the same tree that the main power comes into, but we'll use the terminals on the bottom rather than the ones on the top. Again, like the power cord, the ground (green w/ yellow stripe) goes in the center and the hot leads (blue and brown) go to the left and right. And again the configuration of the hot leads does not matter. Congrats - button everything back up and you're ready to go!

