

Hydra Revolution

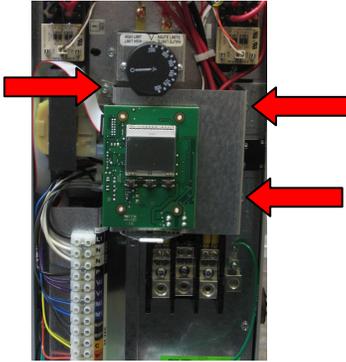
Emergency bypass procedure

This is an emergency procedure intended to bypass the control board in the unlikely situation where the control board would be defective. If this procedure is completed as described in this document, it does not bypass any security features. However, it is necessary to replace the defective control board as soon as possible.

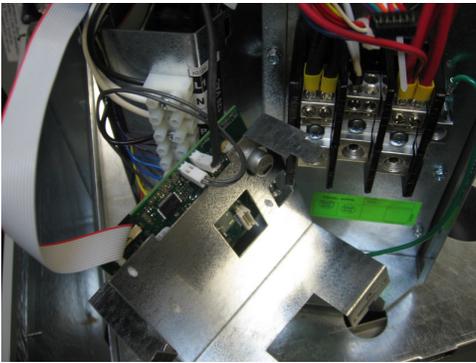
1- Disconnect all electrical power supply

2- Remove the front panel

3- Remove the three screws holding the control board bracket

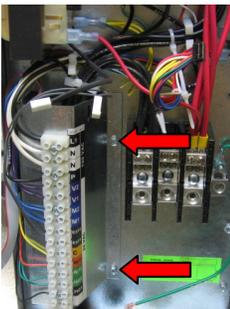


4- Disconnect all wires coming from the control board



5- Place the control board and bracket in a safe location

6- Remove the two screws holding the power board protector

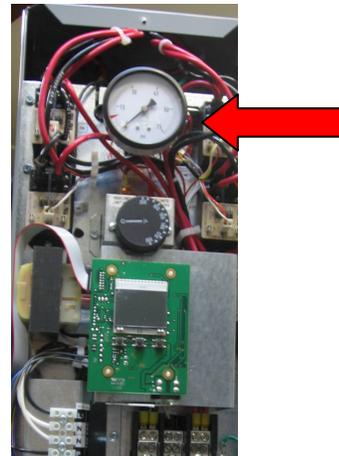


7- Gently lift the right side of the power board protector in order to remove the tabs on the left side of the protector

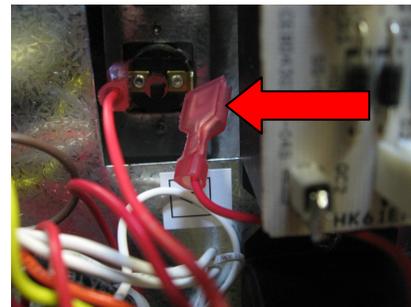


8- Move the protector to the left side of the boiler in order to access the power board

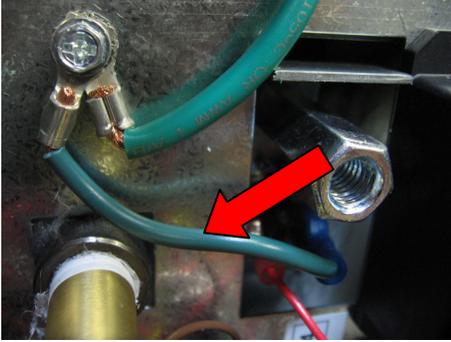
9- Locate the thermodisk



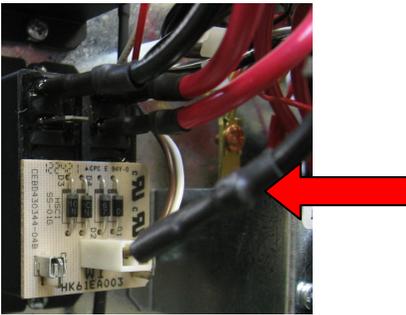
10- Unplug the wire connecting the thermodisk to the control board



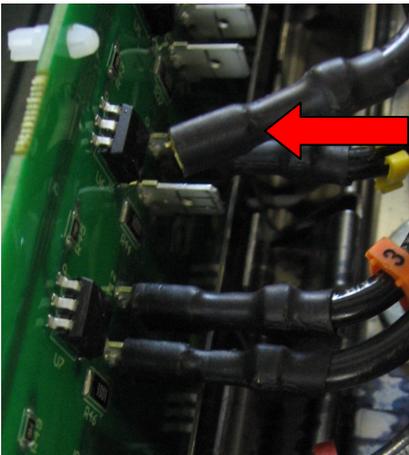
11- Place a jumper between the free connection of the thermodisk and the ground



12- Unplug the black wire connecting the relay to the power board



13- Gently unplug the wire on the power board coming from the terminal block (it doesn't have a number on it)



14- Move the wire to the free terminal of the relay from step 12 (if the boiler is installed with a two wire power supply connection, make sure to use the wire connected to the same terminal block)

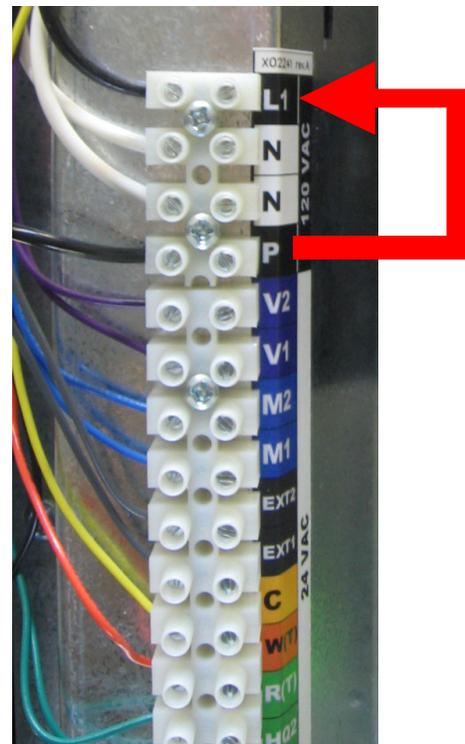
15- Repeat steps 12 to 14 for all required elements; **the appliance will run on the high limit and will not answer to a call for heat. It is recommended to connect only the number of elements necessary. Use the aquastat to set the required temperature.**

16- Replace the tabs of the power board protector in the slots on the left side of the power board

17- Place the two screws in order to secure the power board protector

18- Replace the control board using the three screws removed earlier (no need to reconnect the wire going to the control board, they will have to be reconnected when replacing the board)

19- If a circulator pump is connected to the P and N terminals, connect it to L1 and N in order to make it run continuously



20- Turn the power on

21- In order to make sure the modification was successful, verify that there is no current going to the elements when the aquastat is set at its lowest position and that there is current when the aquastat is at its highest

Electric diagram

On the right is the electric diagram of the boiler with the emergency connections in place. The modifications are in red. Note that this diagram only shows the first element bypassing the electronic board. As mentioned above, it's possible to make the modification for one or many elements, depending on the power required.

