



A108 –Blocked Condensate Line

Heating Source Defaults to elements due to condensate drain blockage

1. Ask customer, “Where the condensate is being routed”. The condensate should be routed to an appropriate location per local or national codes, whichever is applicable.
2. Visually inspect to ensure condensate line is clear.
 - a. If necessary, unclog condensate line.
3. Remove top cover from tank or pull filter and look through opening to view the condensate sensor and pan.
 - a. Ensure there is not excessive condensate in condensate pan and on the sensor.
 - b. If water is present, dry off sensor and drain pan using a paper or cloth towel.
 - i. Sensor can be unplugged for 24 to 48 hours to allow to dry.
4. If pan and sensor are dry and no blockage is present, condensate sensor should be checked with an ohm meter. Condensate sensor should read “**open**”. If resistance is present, replace condensate sensor.

NOTE: Measure resistance across leak sensor and if it is showing any continuity while it is dry, replace the leak sensor. Use the highest resistance scale on your meter.

NOTE: Check the sensor to ensure correct location in drain pan. The sensor should be located in a pocket underneath the evaporator coil above the drain pan. Ensure this area is dry.

5. If sensor and sensor location is dry and the sensor checks good, then unplug the sensor from the PCB (two grey wires). Allow unit to operate for 24 to 48 hours, if code returns, then replace the PCB. Clear the alarms. The unit will operate with sensor unplugged.

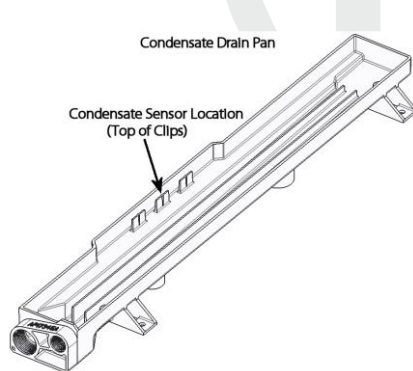


Figure 1

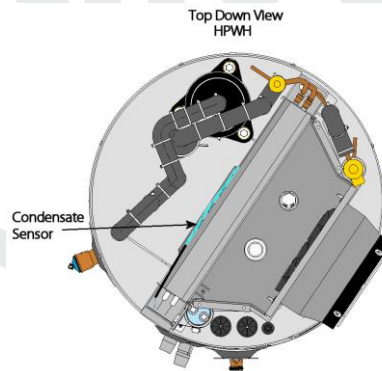


Figure 2



Figure 3



How to Replace Condensate Sensor

1. Turn unit off and disconnect power at junction box.
2. Remove the screws around the top pan and remove top pan.
3. Remove the control board from the front of the unit.
 - a. Flat blade screw driver to pop off cover surrounding the control board display.
 - b. Remove the 2 screws and pull off the control board.
4. Disconnect 2 pin connector associated with the condensate sensor (two grey wires) from the control board.
5. Reach down through the top of the heater and lift condensate sensor from the tray.
6. Route condensate sensor through the grommet on the edge of the evaporator.
7. Install new condensate sensor in the reverse of removal.
8. Reassemble all components.
9. Test operation of heater.

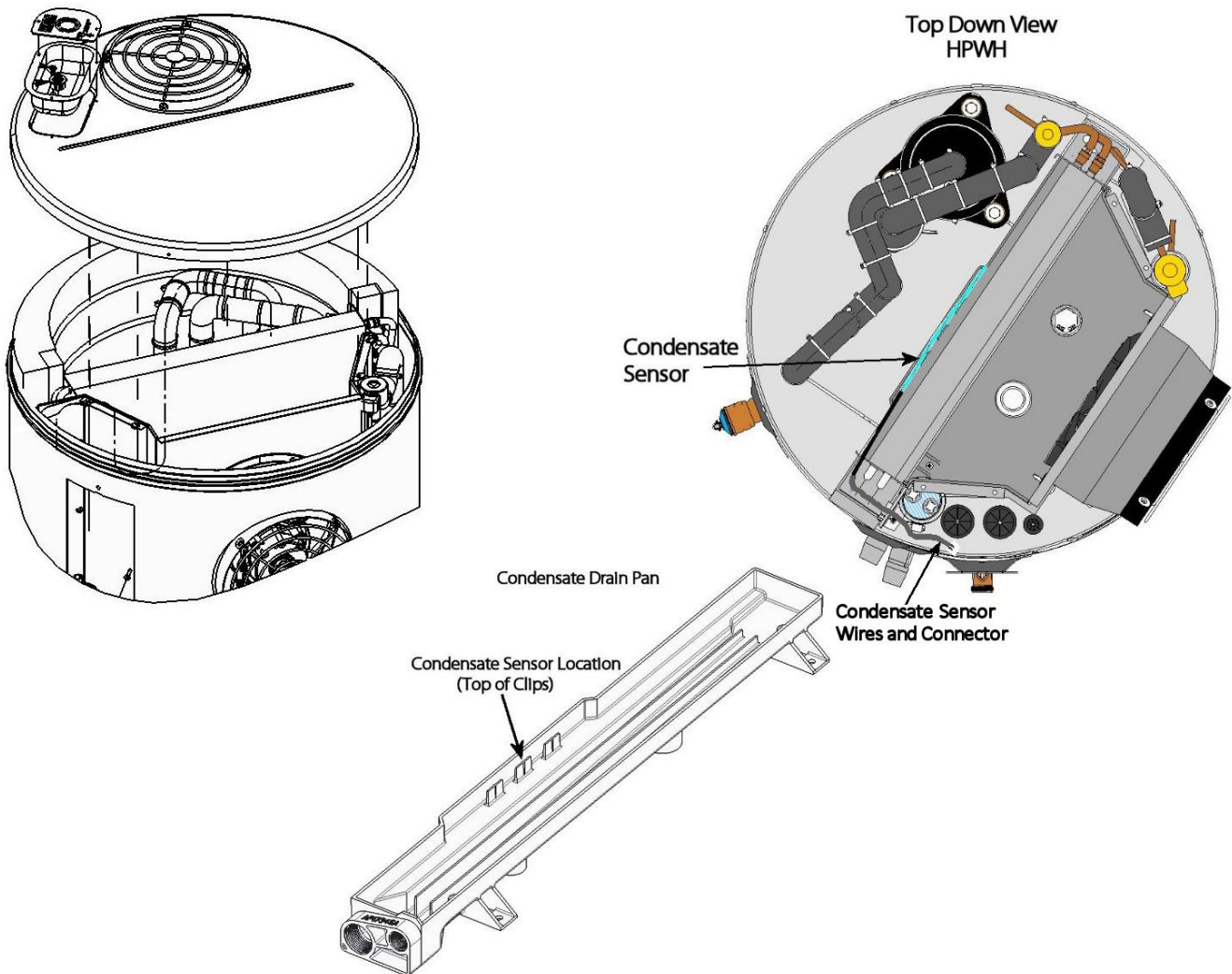


Figure 4