

WIRING INSTRUCTIONS



HW - HWP - HWPT 120 or 230 Series

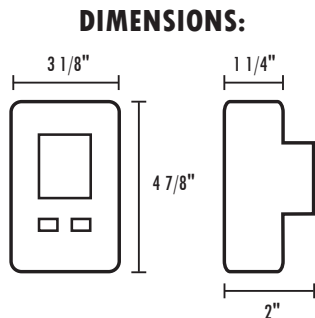
⚠ DANGER ⚠
ELECTRIC SHOCK OR FIRE HAZARD

READ ALL WIRE SIZING, VOLTAGE REQUIREMENTS AND SAFETY DATA TO AVOID PROPERTY DAMAGE AND PERSONAL INJURY

1. To wire the thermostat determine which pair of wires are coming from the breaker panel and which pair lead to the heater and pump.
2. Attach the blue wire (white wire on 120Volt model HW-HWP-HWPT) with wire nuts into the pair of white wires in the junction box.
3. Take a black lead from the circuit breaker panel and attach it to the black lead on the thermostat. This will provide power to the thermostat, LCD display, backlighting and both relays.
4. Take the black lead that goes to the heater and attach it to the yellow lead on the thermostat. This will provide a one minute delay of power to the fan heater when the thermostat is calling for heat.
5. Take the black wire to the circulating pump and attach it to the red lead on the thermostat. This lead has no delay.
6. Remove cover of thermostat by holding back of thermostat and, with a finger and thumb on the top and bottom of the thermostat, pull cover towards you evenly, exposing mounting holes and buttons.
7. Push the wires carefully into the junction box making sure no wires are pinched or will get in the way of the screws mounting the thermostat. Attach the thermostat to the wall with the #6-32 screws provided.
8. Hold thermostat into wallbox and place screws in top and bottom mounting holes. Attach to wallbox.
9. Turn on power. Test by increasing set point to higher than room temperature by tapping the up button. There will be up to a 3 minute delay in turning on. You will hear a small click and an indicator light will come on; the circulation pump should now be on. After one minute the second relay will turn on and operate the heater fan. Both relays will shut off when the temperature is satisfied. Turn the thermostat down by tapping the down arrow.

HWPT - Timer for pump circuit

On initial power-up the pump cycle timer turns on 12 hours for 15 minutes. After the first 12 hour cycle timing the pump will cycle on every 24 hours for 15 minutes to flush the pipes.



DISPLAY CHANGE

Fahrenheit to Celsius:
There are air vents on the bottom edge of the thermostat. In the vent on the left side, just behind the illumination switch, there is a larger opening with a pin collector attached. With needle nose pliers, pull the connector off. The thermostat will now be in metric Celsius mode.

