

# THERMOSTAT & HUMIDISTAT CALIBRATION

## Thermostat Calibration

The internal temperature and humidity sensors installed in Green Air Products controllers have been factory calibrated and should not require further adjustment for several years.

NOTE: Humidistat calibration is very delicate and sensitive and therefore user calibration is not advised.

If necessary your thermostat may be calibrated using the applicable procedure below.

### Thermostat Calibration Procedure for Multi-function Controllers

PLEASE NOTE: Calibration for the thermostats may be adjusted using the trim screw. Avoid excessive pressure on the trim screw. All adjustments should be very slight; 1/8 turn either way is usually adequate. Also note that during adjustments, pressure on the trim screw may cause incidental switching. This is normal and has no affect on the adjustment procedure.

Place a thermometer next to the controller and let them stabilize to room temperature. Make sure that the thermometer you use for this calibration procedure is sufficiently accurate. Unplug all fans and/or CO2 equipment from the controller during calibration. The controller should remain plugged into the wall outlet with the power switch "ON".

## Cooling Thermostat Calibration

[1] Slowly turn the "Thermostat Dial" to the left until the "Exhaust Outlet" or "Cooling Outlet" indicator light turns on. This will indicate the switch point temperature.

[2] Look at the "Thermostat Dial" markings and read the temperature on the controller indicated by the white mark on the dial. The temperature indicated on the controller should approximately match the temperature reading on the thermometer.

[3] If the reading is close your thermostat is calibrated properly. If not continue as follows. Slowly turn the dial back to the right until the indicator light goes off.

[4] Locate the "Thermostat Calibration Hole" on the front of the chassis directly under the "Thermostat Dial". Adjust the trim screw inside the hole using a small flat head screw driver. Use only 1/8 turn; a very slight adjustment is all you need.

\*Turn the trim screw to the right if the dial reading is too low.

\*Turn the trim screw to the left if the dial reading is too high.

[5] Re-check the switch point temperature by turning the dial to the left again until the indicator light comes on. Look at the "Thermostat Dial" markings and read the temperature on the controller indicated by the white mark on the dial. The temperature indicated on the controller should approximately match the temperature reading on the thermometer. If not repeat procedure described above accordingly.

## Heating Thermostat Calibration

[1] Slowly turn the "Thermostat Dial" to the right until the "Heating Outlet" indicator light turns on. This indicator light will signify the switch point temperature.

[2] Look at the "Thermostat Dial" markings and read the temperature on the controller indicated by the white mark on the dial. The temperature indicated on the controller should approximately match the temperature reading on the thermometer.

[3] If the reading is close your thermostat is calibrated properly. If not continue as follows. Slowly turn the

dial back to the left until the indicator light goes off.

[4] Locate the “Thermostat Calibration Hole” on front of the chassis directly under the “Thermostat Dial”. Adjust the trim screw inside the hole using a small flat head screw driver. Use only 1/8 turn; a very slight adjustment is all you need.

\*Turn the trim screw to the left if the dial reading is too low.

\*Turn the trim screw to the right if the dial reading is too high.

[5] Re-check the switch point temperature by turning the dial to the right again until the indicator light comes on. Look at the “Thermostat Dial” markings and read the temperature on the controller indicated by the white mark on the dial. The temperature indicated on the controller should approximately match the temperature reading on the thermometer. If not repeat procedure described above accordingly.

If your controller does not respond favorably to these procedures please contact Green Air Products for assistance or repair service at 800-669-2113.