

TROUBLESHOOTING THE HT2 TEMPERATURE & HUMIDITY CONTROLLER

Procedure Name: HT2-V2

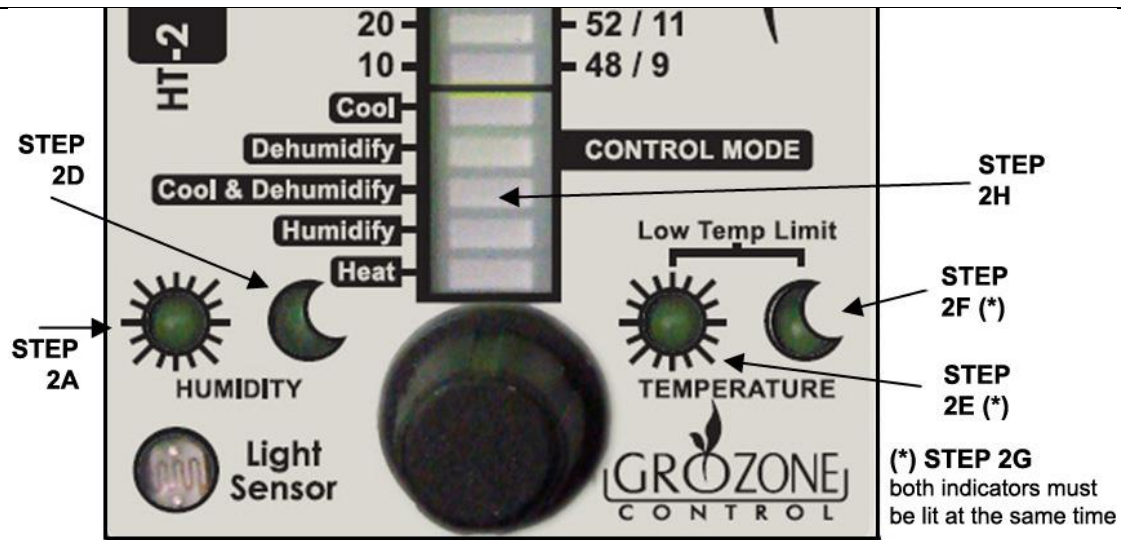
1 – BEFORE YOU START

******* CAUTION: READ AND FOLLOW THESE INSTRUCTIONS BEFORE STARTING THE TEST.**

- **LIGHTING:** Perform this test in a room with enough light for the controller to detect a DAY condition. A dark location should be avoided.
- You will need a lamp or night light to perform the test.
- Perform the test in a room temperature around 25°C / 78°F

2 – TEST

STEP	ITEM	HANDLING AND TEST DESCRIPTION	EXPECTED RESULTS
1	LEDs check	-Plug in the controller into an electrical outlet	The LEDs will light ON from top to bottom and bottom to top, one LED at a time.
2A	Display & knob check	-Push the knob once.	The unit enters in DAY HUMIDITY SET POINT and the HUMIDITY DAYTIME LED turns ON (sun on the left side).
2B		-Turn knob clockwise to raise set point to 95%.	The display bars will light up from the bottom and up to the top, no more than 2 bars simultaneously.
2C		- Turn knob counter clockwise to lower set point to 15%.	The display bars will light up from the top and down to the bottom, no more than 2 bars simultaneously.
2D		- Push the knob once.	HUMIDITY NIGHTTIME LED turns ON.
2E		- Push once and turn the knob counter clockwise to set the setpoint to 60°F.	TEMPERATURE DAYTIME LED turns ON.
2F		- Push once and turn the knob counter clockwise to set the setpoint to 60°F.	TEMPERATURE NIGHTTIME LED turns ON.
2G		- Push the knob once. Set to 56°F	Both TEMPERATURE DAY & NIGHT LEDs turn ON.
2H		-Push the knob once.	All The LEDs and display bars turn OFF. The CONTROL MODE LED turns ON.



3	Output check	<ul style="list-style-type: none"> - Turn knob in both directions to change control mode. - Select “Cool control mode. - Push the knob once. 	<p>The LEDs will turn on one at a time in the CONTROL MODE section.</p> <p>The Output will turn on. (Test with a nightlight in the output)</p> <p>The unit is back to normal operation.</p>
4A	Sensor check	<ul style="list-style-type: none"> - Disconnect the sensor from the controller. - Reconnect the sensor to the controller 	<p>The top and bottom display bars will blink.</p> <p>The unit is back to normal operation and both bars turn off.</p>
4B		<ul style="list-style-type: none"> - Blow into the sensor 	<p>The display bars will go up to indicate that the temperature and humidity levels are going up.</p>
<p>For Step 5, you will need a reference thermometer or hygrometer to validate the sensors readings (values).</p>			
5A	Photocell and room condition check	<ul style="list-style-type: none"> - Turn knob clockwise. 	<p>The DAYTIME TEMPERATURE LED blinks and the temperature level should read between 64°F and 84°F (Room temperature).</p>
5B		<ul style="list-style-type: none"> - Turn knob counter clockwise. 	<p>The DAYTIME HUMIDITY LED blinks and the humidity level should read between 30 and 60% (humidity level in the room).</p>
5C		<p>Cover the photocell for at least 8 to 10 seconds.</p> <ul style="list-style-type: none"> - Turn the knob clockwise. - Turn the knob counter clockwise. 	<p>The NIGHTTIME TEMPERATURE LED blinks and the temperature level should read between 64°F and 84°F (Room Temperature).</p> <p>The NIGHTTIME HUMIDITY LED blinks and the humidity level should read between 30 and 60% (humidity level in the room).</p>

END OF TEST