

# TROUBLESHOOTING THE TP1 GROZONE TEMPERATURE CONTROLLER

Procedure Name: TP1-V2

## 1 – BEFORE YOU START

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

- ❖ THE UNIT MUST BE UNPLUGGED
- ❖ DO NOT PLUG A LOAD INTO THE OUTLET UNTIL STEP 6
- ❖ LIGHTING CONDITION: Perform this test in a room with enough light for the controller to detect a DAY condition. A dark location should be avoided.
- ❖ TEMPERATURE: perform this test in a room where ambient temperature is between 65°F and 85°F (18°C and 30°C).
- ❖ DEFINITIONS: CW = clockwise, CCW = counterclockwise
- ❖ **TURN BOTH KNOBS FULLY CW BEFORE GOING TO STEP 1**

## 2 – TEST

STEP	HANDLING AND TEST DESCRIPTION	EXPECTED RESULTS
1	<ul style="list-style-type: none"> <li>❖ Plug the unit into the power outlet</li> <li>❖ <b>WITHIN 5 SECONDS</b>, turn BOTH KNOBS <u>fully</u> CCW.</li> </ul>	<b>Output On</b> indicator will turn ON.
2	<ul style="list-style-type: none"> <li>❖ Turn UPPER KNOB <u>fully</u> CW.</li> </ul>	<b>Output On</b> indicator will turn OFF.
3	<ul style="list-style-type: none"> <li>❖ Cover the <b>Light Sensor</b> completely with the palm of your hand or black electrical tape(a single finger will NOT cover the sensor appropriately)</li> </ul>	<b>Output On</b> indicator will turn ON after 6 to 8 seconds.
4	<ul style="list-style-type: none"> <li>❖ Keep the <b>Light Sensor</b> fully covered while turning the LOWER KNOB <u>fully</u> CW.</li> </ul>	<b>Output On</b> indicator will turn OFF again.
5	<ul style="list-style-type: none"> <li>❖ Uncover the <b>Light Sensor</b> and wait 6 to 8 sec. THEN rotate the UPPER KNOB very slowly CCW until the <b>Output ON</b> indicator turns ON: leave the knob in this position.</li> </ul>	<b>Output On</b> indicator will turn ON when the knob pointer indicates a temperature close to the ambient room temperature. Make sure this temperature indication makes sense.
6	<ul style="list-style-type: none"> <li>❖ Plug a load (lamp, pump.) into the TP1 front outlet.</li> </ul>	The load will turn ON (the load ON/OFF switch, if any, must be in the ON position).
7	<ul style="list-style-type: none"> <li>❖ Turn the UPPER KNOB <u>fully</u> CW.</li> </ul>	<b>Output On</b> indicator and the load will turn OFF