GROZONE CONTROL

USER GUIDE

TP1

Temp-1
Day & Night Thermostat

www.grozonecontrol.com

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Rev. 3.0

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SAFETY NOTICE

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

DANGER
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

To reduce the risk of electric shock, disconnect power to the 120V electrical outlet before installing or removing the unit. When removing the electrical wall plate, it may fall across plug pins or become displaced.

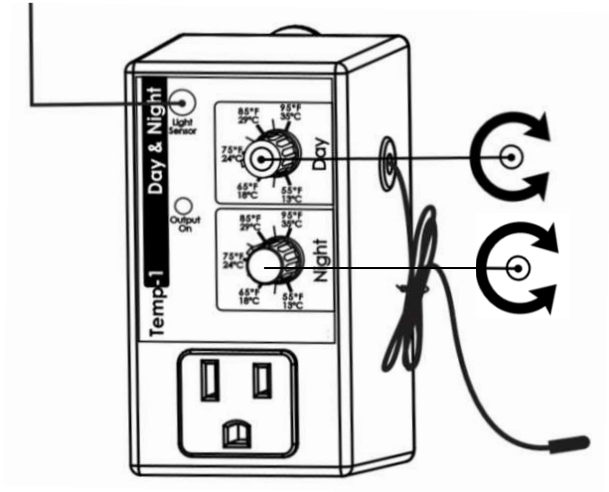
To reduce the risk of electric shock, this product has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

INSTALLATION & OPERATION

Note: This unit has been set to perform in Cooling Mode. For Heating Mode, refer to <u>Optional Settings</u>.

Set Values

Light sensor (photocell)



Day Temp

Night Temp

Plug into 120 VAC outlet

Set Day & Night temperature setpoints

Place the sensor at desired location

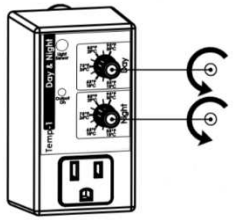
Connect the heating or cooling equipment in the front panel outlet **(MAX 15A)**

Installation is now complete

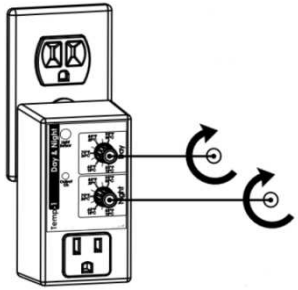
OPTIONAL SETTINGS/HEATING

Change to Heating Mode

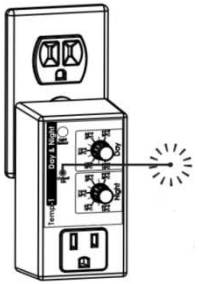
A. Unplug the unit
Set both values to minimum



B. **<u>Within 5 seconds</u>**, plug in the unit and set both values to maximum



C. "Output on" light turns on

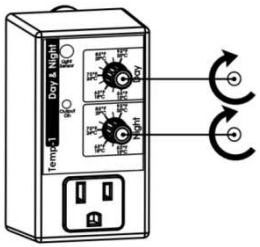


TP1 is now in heating mode

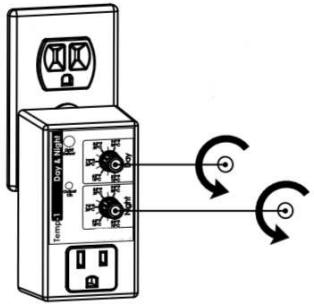
OPTIONAL SETTINGS/COOLING

Change to Cooling Mode

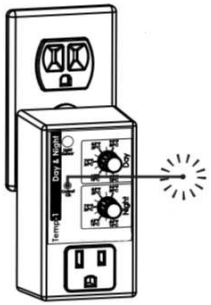
A. Unplug the unit
Set both values to maximum



B. **<u>Within 5 seconds</u>**, plug in the unit and set both values to minimum



C. "Output on" light turns on



TP1 is now in cooling mode

QUICK TROUBLESHOOTING CHART

Product Model: TP1

PLUG UNIT INTO 120V

PLUG LOAD INTO OUTPUT

Min : (55°F)

Max : (95°F)

Day knob to **Max** Night Knob to **Min**

Output **Off**

Product Defective

Day knob to **Min** Night Knob to **Max**

Output **Off**

Output **On**

Hide Photocell & Wait 10 sec

After 10 sec Output **On**

Product Defective

Output **On**

Hide Photocell & Wait 10 sec

After 10 sec Output **On**

Product Defective

After10 sec Output **Off**

Night knob to **Max**

Output **Off**

Product Defective

After 10 sec Output **Off**

Night knob to **Min**

Output **Off**

Product Defective

TP1 operating in **Heating** Mode succesfully

TP1 operating in **Cooling** Mode succesfully

COMPLETE TROUBLESHOOTING GUIDE

Day & Night Thermostat

TP1

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	• Plug the unit into the power outlet • **WITHIN 5 SECONDS**, turn BOTH KNOBS fully CCW .	**Output On** indicator will turn ON
2	• Turn UPPER KNOB fully CW.	**Output On** indicator will turn OFF.
3	• Cover the **Light Sensor** completely with the palm of your hand or black electrical tape(a single finger will NOT cover the sensor appropriately)	**Output On** indicator will turn ON after 6 to 8 seconds.

COMPLETE TROUBLESHOOTING GUIDE

STEP	HANDLING AND TEST DESCRIPTION	EXPECTED RESULTS
4	• Keep the **Light Sensor** fully covered while turning the LOWER KNOB fully CW	**Output On** indicator will turn OFF again.
5	• Uncover the **Light Sensor** and wait 6 to 8 sec. THEN rotate the UPPER KNOB very slowly CCW until the **Output ON** indicator turns ON : leave the knob in this position.	**Output On** 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	• Plug a load (lamp, pump..) into the TP1 front outlet.	The load will turn ON (the load ON/OFF switch, if any, must be in the ON position).
7	• Turn the UPPER KNOB fully CW.	**Output On** indicator and the load will turn OFF.

WARRANTY & CUSTOMER SERVICE

DO YOU HAVE A PROBLEM WITH YOUR GROZONE CONTROLLER ?
PLEASE READ THESE INSTRUCTIONS CAREFULLY AND SAVE THEM FOR FUTURE REFERENCE

1. **I think my controller is damaged, or it simply does not work as indicated in the user guide, what should I do ?**

◊ Please refer to the troubleshooting steps. Follow these instructions carefully, step by step. The Controller should work as described in the "Expected Result" column of the Complete Troubleshooting Guide on page 6-7.

Do you need assistance in executing the Troubleshooting steps ?

1. Contact us at 1-855-262-1800
2. Send us an EMAIL at service@grozonecontrol.com or
3. VISIT our Technical Support Center at www.grozonecontrol.com/techsupport.html

Technical Support is available Monday through Friday, from 8:00 AM to 8:00 PM, Eastern Time.

1. **I've been through the troubleshooting steps, what do I do if I meet a problem at any of these steps ? Is my product covered by the WARRANTY ?**

◊ Grozone controllers are covered by a 3-year warranty(*). We will replace any DAMAGED PRODUCT WITH A BRAND NEW PRODUCT.

◊ Covered or not covered ? We do not authorize the replacement of fully working products nor altered (tampered) products. The Troubleshooting steps will help you identify a damaged product. Do not hesitate to contact us or contact your retailer to make sure the controller is not fully working or damaged before returning it to the store.

◊ My product is not fully working or damaged, I want a replacement unit: in order to get a replacement product, **you MUST return all modules and applicable accessories to the retailer** – controller, output boxes, remote sensors, cables, power cord and power supply. We've observed that many problems often originate from seemingly insignificant components the user forgets to return, so we are unable to identify the problem and thus authorize the return under warranty. To avoid being charged for the accessories, be sure to include all pieces. Thanks for your cooperation.

◊ Any Grozone Control product that is returned with obvious signs of user neglect will not be covered by warranty. Grozone Control exercises the right to make final decisions in these matters.

(*)The warranty period begins from the date of purchase at the retail level. The retailer/consumer must keep their proof of sale/purchase. Otherwise, Grozone Control will consider the manufacturing date to apply the warranty coverage.

PRODUCT DETAILS

Operation and Specifications

Temperature setpoint between 55°F and 95°F / 13°C to 35°C.

Fixed differential of ± 2°F
Example: Operating mode: cooling, setpoint: 75°F so the output turns ON at 77°F and turns OFF at 73°F

6-ft temperature probe works from +32°F at +212°F (0°C to 100°C).

Electrical Specifications: See the rating label on your product.

NOTE