



USER GUIDE

TV1

Temp-1V

Day & Night Fan Speed Control



www.grozonecontrol.com

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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.

PRODUCT DETAILS

Operation and Specifications

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

Internal operation in Fahrenheit.

The 120V output is variable. Max 750 Watts, 6.2 Amps.

Fan is between 37% and 100% of full power on a 6°F range (Tight Control) or 9°F range (Soft Control).

2 seconds «KickStart» at startup. (100% power to improve or ensure fan startup).

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

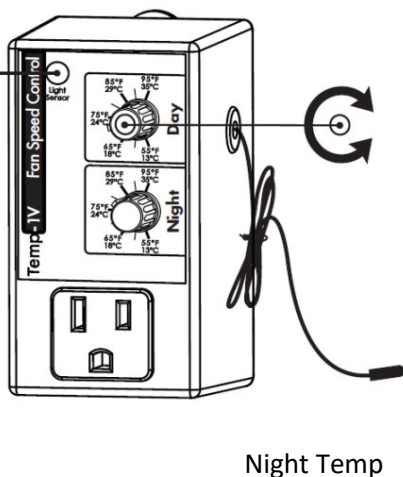
Electrical Specifications: See the rating label on your product.

INSTALLATION & OPERATION

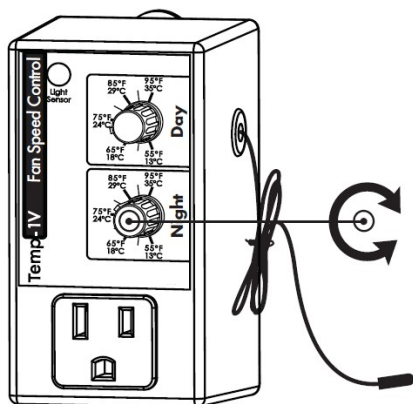
Note: This unit has been set to perform in Tight Control Mode. For Soft Control Mode, refer to Optional Settings.

Adjusting temperature setpoints

Light sensor (photocell)



Day Temp



Plug into 120 VAC outlet (see security notice on page 1).

Place the sensor at desired location.

Connect the fan into the front panel outlet (**MAX 750W, 6.2A**).

Installation is now complete

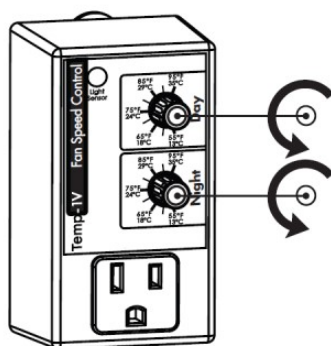
OPTIONAL SETTINGS/SOFT CONTROL MODE

Changing to Soft Control Mode

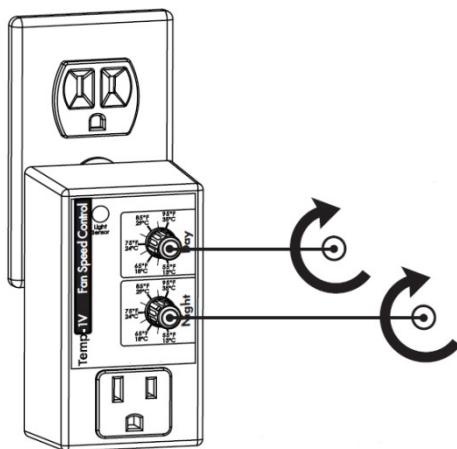
For medium variation and medium precision; use this mode when equipment turns on and off repeatedly.

| | | | | | | | | | |
|------------|---------|---------|--|------------------|---------|---------|---------|-------------------|-----|
| COOL | SP -6°F | SP -4°F | SP -2°F | Setpoint (SP) | SP +2°F | SP +4°F | SP +6°F | SP +8°F | HOT |
| OFF | | | Min Speed >>>>>>>>>>>>>>>> Full Speed | | | | | Full Speed | |

- A.** Unplug the unit.
Set both values to minimum.



- B. Within 5 seconds,** plug in the unit, then set both values to maximum.



TV1 is now in Soft Control Mode

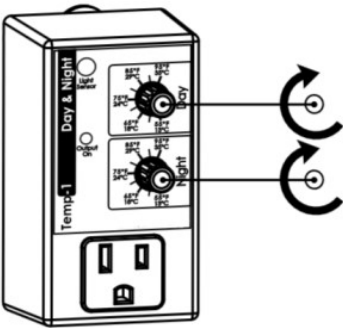
OPTIONAL SETTINGS/TIGHT CONTROL MODE

Changing to Tight Control Mode

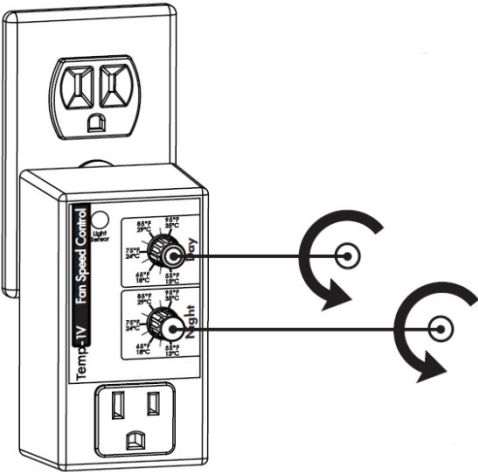
For smaller variation and higher precision; use this mode for best performance using correctly sized fan.

| | | | | | | | | | |
|------|---------|---------|-----------------------------|------------------|---------|---------|------------|---------|-----|
| COOL | SP -6°F | SP -4°F | SP -2°F | Setpoint (SP) | SP +2°F | SP +4°F | SP +6°F | SP +8°F | HOT |
| OFF | | | Min Speed >>>>>> Full Speed | | | | Full Speed | | |

- A. Unplug the unit.
Set both values to maximum.

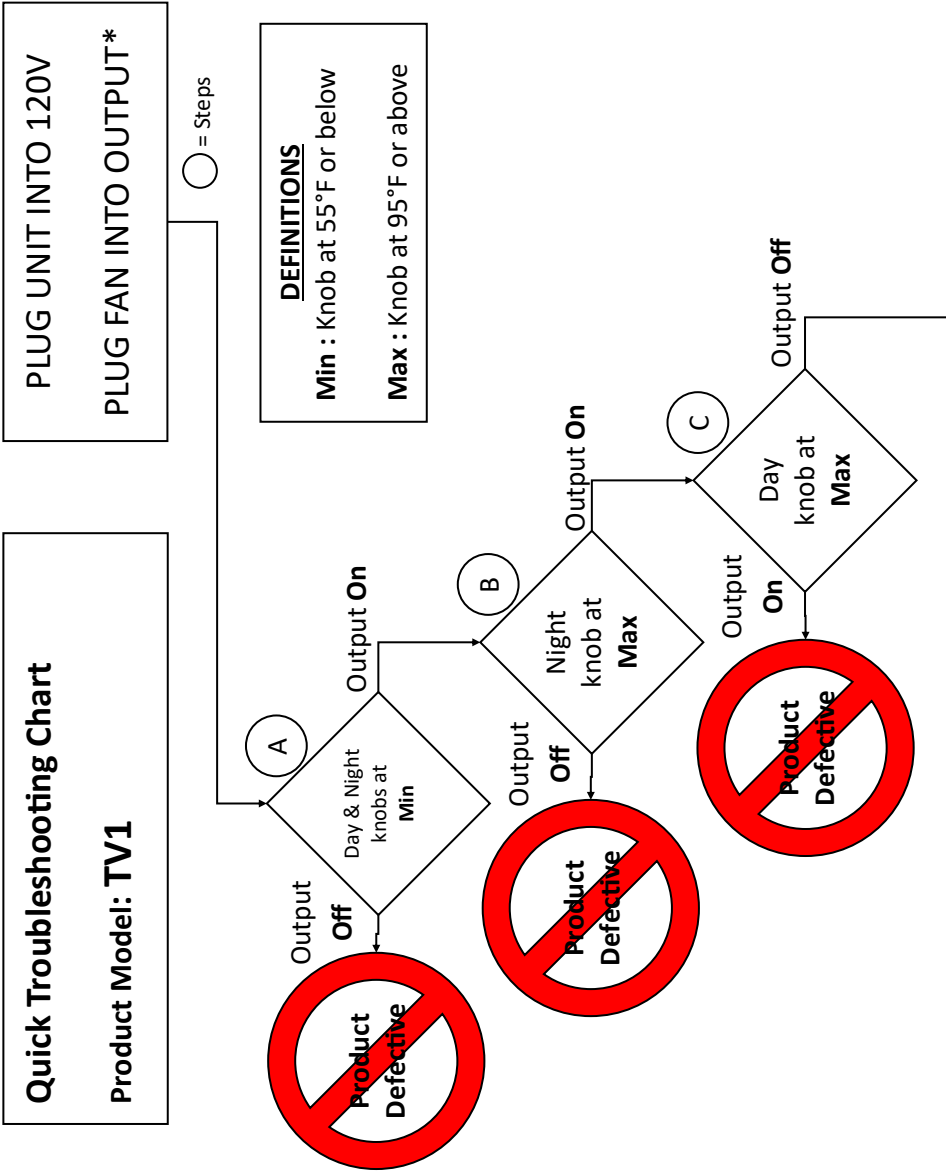


- B. Within 5 seconds, plug in the unit, then set both values to minimum.

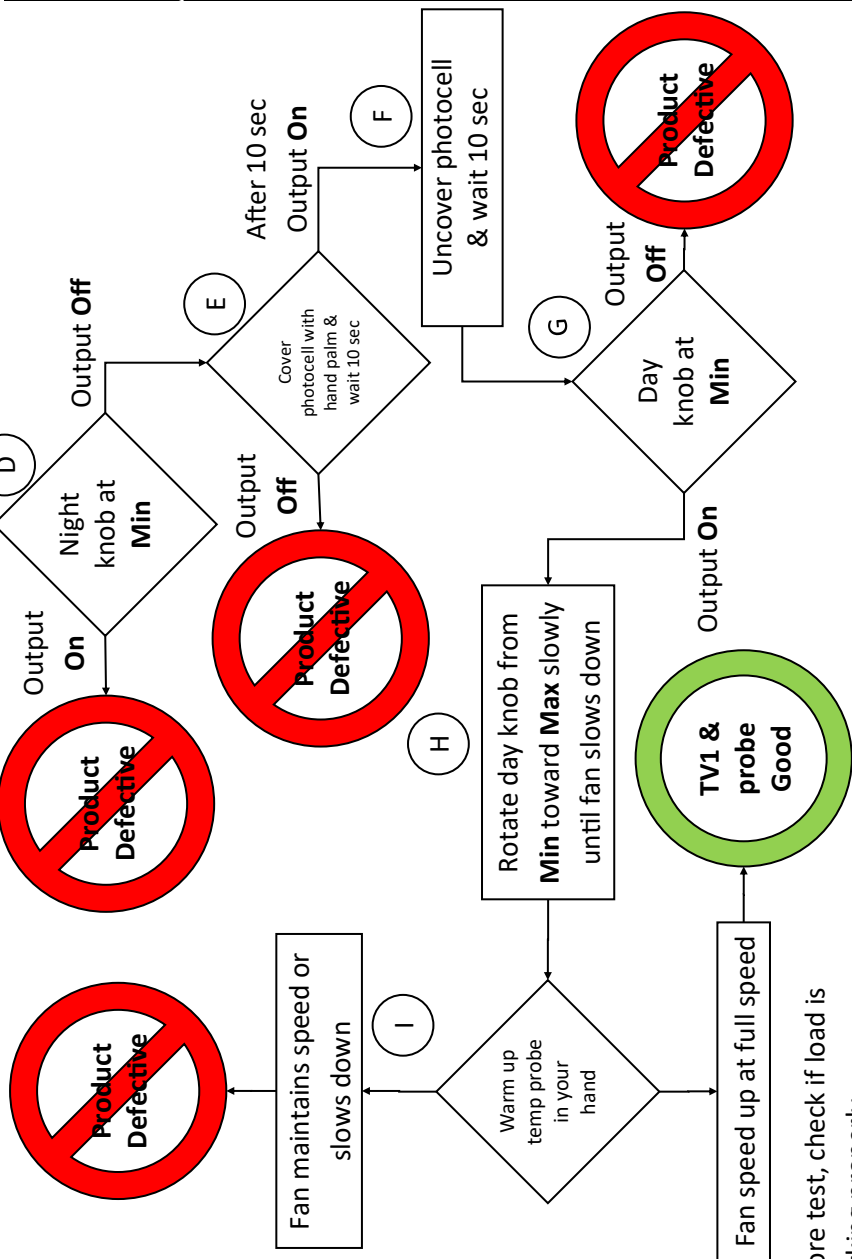


TV1 is now in Tight Control Mode

QUICK TROUBLESHOOTING GUIDE



QUICK TROUBLESHOOTING GUIDE



*Before test, check if load is working properly.

COMPLETE TROUBLESHOOTING GUIDE

Day & Night Fan Speed Control

TV1

1 – Before you start

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

- DO NOT CONNECT THE UNIT BEFORE STEP 1 OF THE TEST.
- CONNECT A FAN IN THE FRONT UNIT OUTPUT.
- LIGHTING CONDITION: perform this test in a room with enough light for the controller to detect a DAY condition.
- 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 : Counter clockwise.

2 – Test

| STEP | HANDLING AND TEST DESCRIPTION | EXPECTED RESULTS |
|------|---|---|
| 1 | <ul style="list-style-type: none">• Plug the unit into the power outlet.• Turn UPPER knob fully CCW (55°F). | The fan will turn ON. |
| 2 | <ul style="list-style-type: none">• Turn UPPER knob fully CW (95°F). | The fan will turn OFF. |
| 3 | <ul style="list-style-type: none">• Turn LOWER knob fully CCW (55°F).• Cover the Light Sensor completely with hand palm or black electrical tape (a single finger will NOT cover the sensor appropriately). | The fan will turn ON after 6-8 seconds. |

COMPLETE TROUBLESHOOTING GUIDE

| STEP | HANDLING AND TEST DESCRIPTION | EXPECTED RESULTS |
|------|--|---|
| 4 | <ul style="list-style-type: none"> Maintain the light sensor covered while turning the LOWER knob fully CW (95°F). | The fan will turn OFF. |
| 5 | <ul style="list-style-type: none"> Uncover the light sensor and wait for 6-8 seconds. Then, rotate the UPPER knob very slowly CCW until the fan turns ON. | The fan will turn ON when the knob pointer (line) indicates a temperature level similar to the ambient room temperature (e.g. if the knob line indicates 75° when the fan turns ON, the ambient temperature should be around 77°F). |
| 6 | <ul style="list-style-type: none"> Warm up temp probe in your hands. | The fan will speed up to full power. |

WARRANTY & CUSTOMER SERVICE

DO YOU HAVE A PROBLEM WITH YOUR 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 results” column of the Complete Troubleshooting Guide.

Do you need assistance on executing the Troubleshooting steps?

1. Contact us at 1-855-262-1800
2. Send us an EMAIL at service@grozonecontrol.com
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.

WARRANTY & CUSTOMER SERVICE

2. 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.** 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 the 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.

IMPORTANT MESSAGE TO RETAILERS

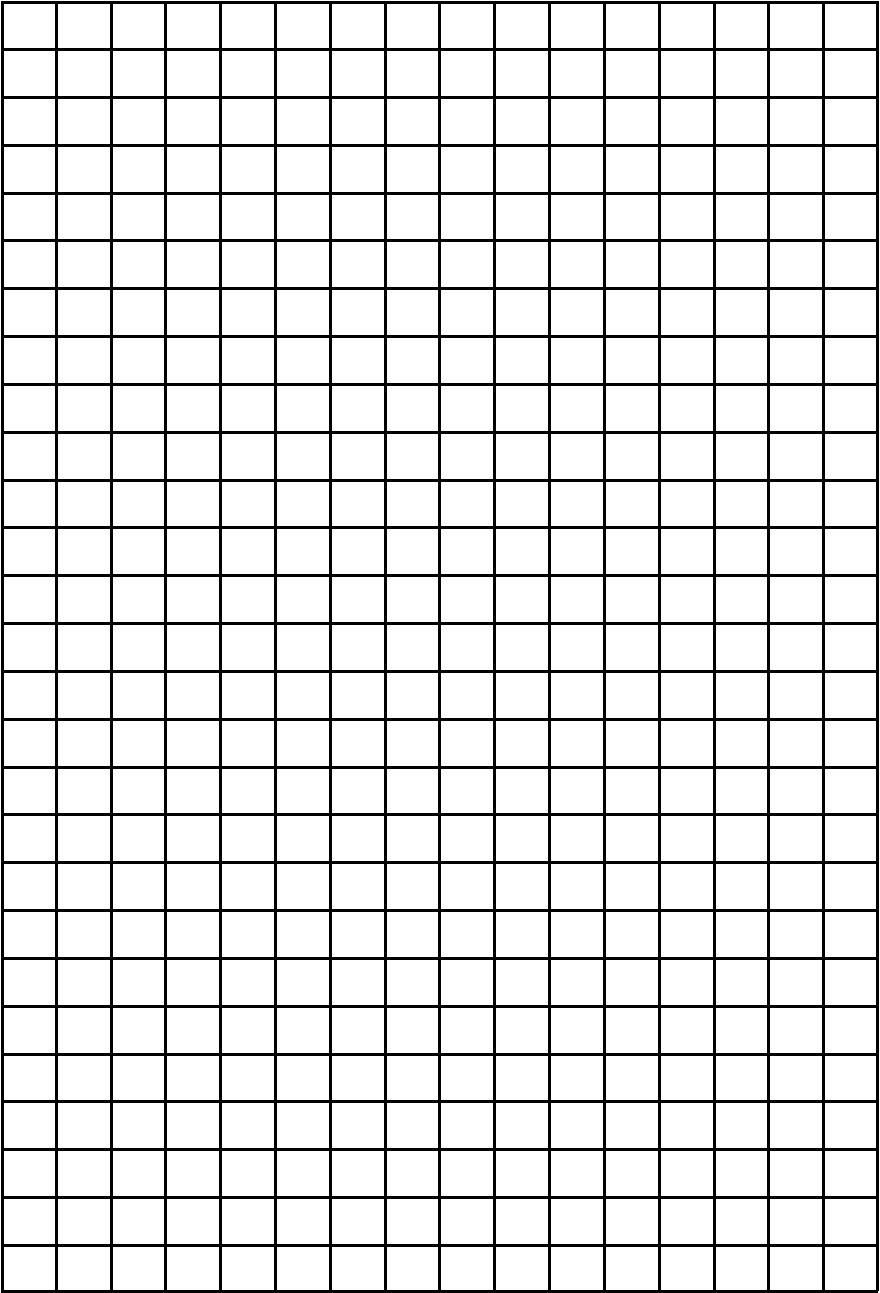
Retailers must call Grozone Control to get authorisation to replace the defective product and a RMA number.

1-855-262-1800

NOTE

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface. There is no handwriting or other markings on the paper.

Room Setup





Rev. 3.0

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