



## REDI-HEAT-4 DIGITAL THERMOSTAT RDT-4

- Your new RDT-4 Thermostat is capable of controlling 4 heat mats up to 15 total amps or 1800 watts.
- The RDT-4 Thermostat is 120VAC ONLY.
- The RDT-4 will keep your temperature setting within +/-1 degree.
- Do not expose RDT-4 Thermostat to direct water.
- Plug the RDT-4 into a GFCI outlet to prevent shocks.
- Use the UP/DOWN buttons to set your desired temperature
- The dual 7-segment display only shows your set point, NOT THE CURRENT TEMPERATURE.
- To view current temperature, press both the up and the down button at the same time.
- To monitor your growing media's temperature place the RDT-4's temperature sensor into the plant substrate to desired depth that you wish to control temperature (sensor position/orientation is not important).
- Do not place the sensor directly on the mat. Soil temperature cannot be maintain properly in this location.
- The red LED will be lighted only when sending power to your heat mats/cables, when LED is off then no power is at the heat mats/cable and therefore not heating and your soil is at the set temperature.
- Since soil temperature will be constantly maintained at a higher level, soil media and plants will dry more quickly and require more frequent watering.
- A consistent amount of soil moisture will maintain the most even heat.
- If the soil dries out, the sensor will not be able to detect the heat from the mats or cables, due to soil being a good insulator. It is the water in soil that moves heat.

### Troubleshooting tips:

- If the display is not lit, check for power at the outlet the RDT-4 is plugged into and check the fuse located in the middle of the outlets. No power at the outlet could mean a tripped GFCI and/or circuit breaker. A blown fuse means too much power or a short. Replace fuse and test each mat by plugging them in individually until you find the one responsible for the short.
- To figure amps, divide the total wattage of the mats or cables being used by 120.

If you are having trouble finding a place to mount your RDT-4 Thermostat Phytotronics has bench plates available for purchase.

## LIMITED WARRANTY

**Phytotronics Inc.** (“we”) warrant to the original purchaser (“you”) that the product or system accompanying this warranty (the “product”) will be free from defects in material and workmanship existing at the time of manufacture and appearing within two (2) years from the date of original purchase. This warranty applies only so long as the product is stored, installed, operated, and maintained in accordance with our recommendations, and when used under proper and normal use. THIS WARRANTY SHALL BE EXCLUSIVE AND, TO THE EXTENT PERMITTED BY LAW, SHALL BE IN LIEU OF ANY OTHER WARRANTIES, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT IMPLIED WARRANTIES MAY NOT BE DISCLAIMED, THE DURATION OF SUCH WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS EXPRESSLY LIMITED TO THE Two (2) YEAR PERIOD OF DURATION OF THIS LIMITED WARRANTY. In certain circumstances, some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

**When this Limited Warranty does not apply:** This warranty does not cover claims resulting from failure to follow instructions on installation of use, neglect, misuse, accident, modifications, alterations, mis-application or repairs made by you or others, use of unauthorized attachments, use on a current of voltage other than specified or overloading.

**Your Remedies:** If covered defect appears during the warranted period, we will (at our sole option) repair or replace the defective product with no charge for service or parts, provide that the product is delivered at your expense to our authorized service center. Parts and/or replacement product supplied under this warranty may be new or rebuilt at our option. Parts or products replaced will be our property. Any product which is repaired or any replacement product will be covered under this warranty for the remainder of the two (2) year period or for thirty (30) days after repair or replacement, whichever is longer. If it is not practical to repair or replace the product, we will refund the purchase price of the product to you. THIS IS YOUR EXCLUSIVE REMEDY FOR BREACH OF THIS WARRANTY OR OF ANY IMPLIED WARRANTY OR OF ANY OTHER OBLIGATION ARISING BY OPERATION OF LAW OR OTHERWISE.

**What is not covered by the Limited Warranty:** The warranty does not include reimbursement for the expenses of labor, transportation, installation, removal or any other expenses which may be incurred by you. For instructions on how to obtain warranty service, call 314-770-0717 or write to Phytotronics Customer Service, 13688 Rider Trail North, Earth City, Missouri 63045 and see the accompanying Repair Policy. IN NO EVENT SHALL WE BE LIABLE OR RESPONSIBLE FOR PUNITIVE, EXEMPLARY, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, REVENUES OR SAVINGS ARISING OUT OF THE BREACH OR PERFORMANCE OF ANY WARRANTY OR THE USE OR INABILITY TO USE THIS PRODUCT FOR ANY PURPOSE WHATSOEVER. YOUR EXCLUSIVE COMPENSATION FOR LOSS OR DAMAGE ARISING FROM PURCHASE, USE, REPAIR, OR REPLACEMENT OF ANY PRODUCT SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE PURCHASE PRICE OF THE PRODUCT. THIS LIMITATION OF LIABILITY SHALL BE APPLICABLE TO ANY CLAIMS PRESENTED TO US REGARDLESS OF THE LEGAL THEORY FORMING THE BASIS OF SUCH CLAIM, AND WHETHER SUCH THEORY INVOLVES NEGLIGENCE, CONTRACTUAL LIABILITY, FAILURE OF REMEDY OR OTHERWISE.