REPTITEMP DIGITAL THERMOSTAT

Instructions / ITEM# RT-600

CONTROL UNIT

LCD Display

Remote Temperature Sensor

❄ COOL
🔥 HEAT
❄ ALARM

78 73°F

PROGRAM   ACTUAL

MODE   **REPTITEMP DIGITAL THERMOSTAT**   SET

Socket for Heating/ Cooling Device

Mode Button

Set Button

Main Power Plug
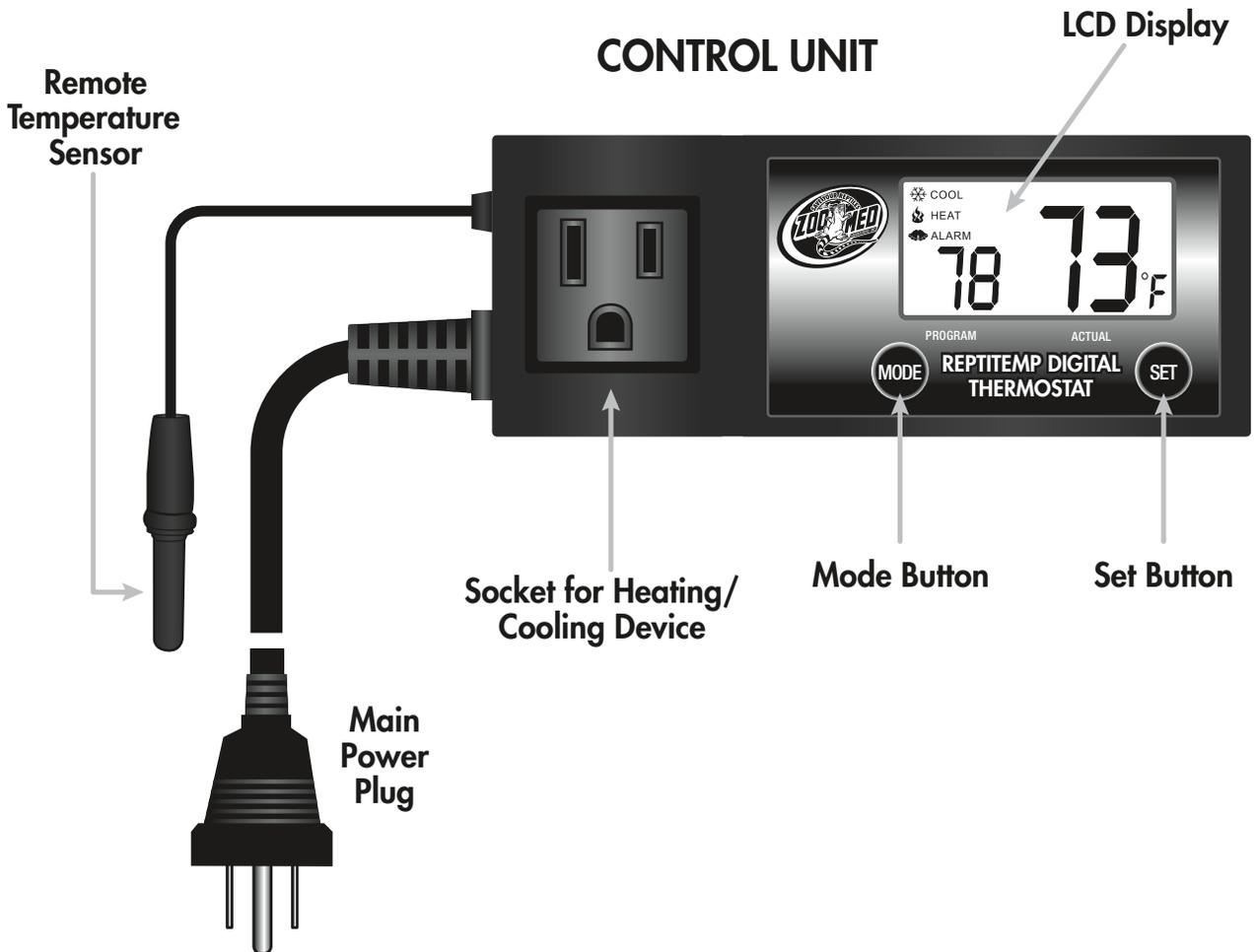
Congratulations on your purchase of **Zoo Med's REPTITEMP® Digital Thermostat.** The following instructions will assist you with the proper programming and operation of this unit. Please read the following instructions carefully before installing your new thermostat. If you have any questions regarding these instructions or the proper use of this item, please contact our customer service department at zoomed@zoomed.com or by calling (888) 496-6633 (US and Canada only). Customers in other countries, please call (805) 542-9988.

ZOOMED.COM

FEATURES:

- Controls up to 600 watts of heating or cooling devices (600 W maximum resistive load).

- Remote Temperature Sensor with 6 foot (185 cm) cable.

- Controls temperature by turning on heating devices in "HEAT" mode or by turning on cooling devices (e.g., fan) in "COOL" mode.

- LCD display with convenient two-button programming.

- Temperature control range: 50°F to 122°F (10C to 50C).

- Built in memory stores settings in case of power failure.

- Alarm flashes & sounds when temperature reaches extreme high or low levels.

SAFETY INSTRUCTIONS:

IMPORTANT: In order to reduce the risk of fires, electric shock, or personal injury, read and save these instructions prior to operation.

- Use only with a 120 V, 60 Hz. grounded outlet.

- **WARNING** – **DO NOT** use this device to control heaters exceeding 600 watts (maximum resistive load). **DO NOT** use this device to control cooling appliances like fans or compressors exceeding 150 watts (maximum inductive load).

- This unit has no serviceable parts. **DO NOT** open the housing for any reason as doing so will void the warranty. Contact Zoo Med to arrange for repair or replacement during the warranty period.

- **DO NOT** stretch or strain wires or power cords connected to this device.

- **DO NOT** immerse any of the thermostat components in water. Keep the Programmable Control Unit outside of cages and terrariums; only the remote sensor is to be inside the cage/terrarium.

- **DO NOT** allow heavy objects to rest on any of the thermostat components or associated cables and power cords.

- This thermostat is **NOT** designed to control the temperature of a rock heater (use Zoo Med's ReptiTemp Rheostat instead).

- **DO NOT** operate the unit with a damaged cord, plug, or other component.

- **DO NOT** use an adapter that converts the grounded three-prong plug to a two-prong plug.

- **DO NOT** alter or modify this product. Contact an electrician if you are unsure about the electrical connection.

- **FOR INDOOR USE ONLY. NOT FOR USE OUTSIDE.**

PROGRAMMING THE CONTROL UNIT:

Upon plugging in your new **REPTITEMP® Digital Thermostat** for the first time, the digital display will illuminate and show all of the symbols for a brief moment before showing the default factory settings. After programming the control unit, the new settings will be stored in the controller's memory. In the event of a power failure, or if the unit becomes unplugged, the programmed settings will resume once power is restored. Wait until after the unit has been programmed before plugging in heating or cooling devices.

A. PROGRAMMING the TEMPERATURE SETTING:

The **REPTITEMP® Digital Thermostat** will turn heaters or cooling devices on and off to maintain the optimum temperature in your terrarium. The temperature can be set in either Fahrenheit (°F) or Celsius (°C) mode. Perform the following steps to program the temperature setting of your controller:

1. Press and release the **MODE** button to select the temperature scale (°C or °F).

2. To adjust the temperature setting, press the "Set" button and the temperature above the word **PROGRAM** will flash. While the numbers are flashing, press the **SET** button once to change the programmed temperature one degree. Press and hold the button to increase by several degrees. If you pass the desired setting, press and hold the **SET** button to cycle through the numbers again. The controller will automatically exit programming and return to the normal display 5 seconds after the desired temperature is set, and the programmed temperature will appear above the word **PROGRAM.**

3. The temperature program is now set and can be changed at any time by pressing the **SET** button.

B. SELECTING HEAT or COOL MODE:

In **HEAT** mode, the controller will turn on heating devices (e.g., heat lamps, under tank heaters, ceramic heat emitters) when the actual temperature in your terrarium drops below the programmed temperature setting. In **COOL** mode, the controller will turn on a cooling device (e.g., fan) when the temperature in your terrarium rises above the programmed temperature setting. To switch between **HEAT** and **COOL** mode, press and hold the **MODE** button until **HEAT** or **COOL** flashes on the display, then press the **SET** button to switch between modes. When the desired mode is selected, wait 5 seconds for the controller to automatically exit programming and save the setting.

HEAT MODE OPERATION:

When heat mode is selected, the word **HEAT** shows on the display at all times. When the temperature drops below the programmed setting, the heating device is turned on and the flame icon appears next to the word **HEAT**. When the terrarium reaches the set temperature, the heater is turned off and the flame icon disappears. The word **HEAT** remains on to show that the controller is set to heat mode.

Figure 1
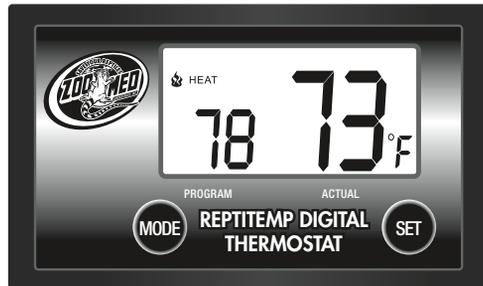
COOL MODE OPERATION:

When cool mode is selected, the word **COOL** shows on the display at all times. When the temperature rises above the programmed setting, the cooling device is turned on and the snowflake icon appears next to the word **COOL**. When the terrarium reaches the set temperature, the cooling device is turned off and the snowflake icon disappears. The word **COOL** remains on to show that the controller is set to cool mode.

Figure 2
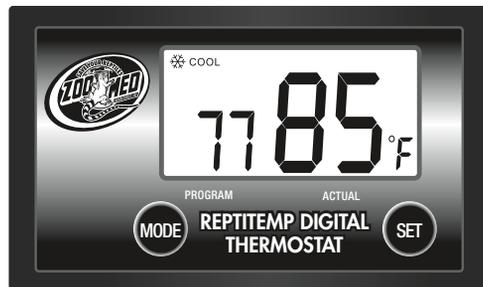
C. PROGRAMMING the ALARM:

The alarm feature is turned off in the default settings but can easily be enabled, and the alarm will alert you when the temperature in the terrarium is above or below the programmed settings. When the alarm is triggered, the controller will beep and the word **"ALARM"** will flash on the display along with the bell icon (see figure 3). Press the **SET** button to silence the alarm.

Enter the programming function by pressing and holding the **MODE** button until **"HEAT"** or **"COOL"** flashes on the display, then press and release the **MODE** button once more until **"ALARM"** flashes on the display, along with the numbers above the word **"ACTUAL."** While still flashing, press the **SET** button to program the temperature change that will trigger the alarm. When the temperature rises above or falls below the programmed temperature by the set number of degrees, the alarm will activate. (i.e., if the temperature setting of the thermostat is 85°F, and the Temperature Alarm Setting is 10, the alarm will be activated if the temperature rises above 95°F or falls below 75°F). When the alarm is set to 00 it is disabled. After programming the alarm, wait 5 seconds for the controller to exit programming and save the settings. Even though the alarm is set, the word **ALARM** will disappear from the display when the controller exits programming and resumes normal function.

Figure 3
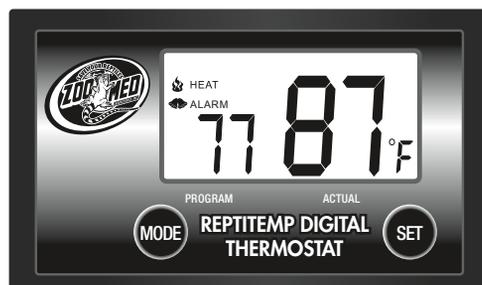
INSTALLING THE CONTROL UNIT:

After programming is complete, the unit can then be installed. Follow the steps below to complete the installation of your thermostat.

1. **Set up terrarium:** Make sure that your terrarium is completely set-up and that the heater (or cooling device) is in place.

2. **Install the Temperature Sensor:** Before plugging in the heating/cooling device, place the remote sensor in the desired location inside the terrarium. The sensor can be attached to the inside walls of your terrarium using the suction cup provided. Wherever the sensor is placed is where the **REPTITEMP® Digital Thermostat** will be measuring the temperature.

3. **Mount the Control Unit:** Place the control in the desired location outside of your terrarium. Do not place the control unit inside the terrarium as the higher temperatures and humidity levels can have adverse affects and cause eventual failure. The control unit can be secured to the outside of the terrarium or other suitable surface using the two strips of included hook-and-loop fastener. The control unit can also be rested on a flat surface adjacent to the terrarium if desired.

4. **Plug in the thermostat:** Your **REPTITEMP® Digital Thermostat** unit should already be plugged in and programmed. If you have unplugged the **REPTITEMP® Digital Thermostat** to move it, plug it back in now. The programmed settings are stored in the memory and will not need to be reset.

5. **Plug in Heating/Cooling Device:** Finally, plug in the heating (or cooling) device to the socket on the front of the controller. Check to make sure that your heating/cooling device is switched on. The installation of your **REPTITEMP® Digital Thermostat** is now complete!

IMPORTANT NOTES:

• **DO NOT** use to control mercury vapor UVB lamps (e.g., PowerSun UV Self-ballasted Mercury Vapor lamp), compact fluorescent lamps, or rock heaters.

• **Heat:** Make sure that your heating device (e.g., Ceramic Heat Emitter, ReptiTherm™ U.T.H. Under Tank Heater, etc.) has the ability to heat your terrarium to the desired temperature. If your terrarium does not reach the desired temperature, you may need to replace the heating device with one of higher wattage.

• **Sensor location:** The location of the sensor has a great effect on the temperature level in your terrarium. Be sure not to place the sensor too close to the heating/cooling device. Be sure that the sensor is in a suitable location to provide the correct temperature gradient for your animal(s).

DEFAULT SETTINGS:

To restore the default settings (listed below), press and hold the **"Mode"** and **"Set"** buttons at the same time for about 3 seconds. **NOTE:** This will erase all of your programmed settings.

- **Mode:** HEAT

- **Temperature setting:** 77 °F

- **Alarm:** 00 (disabled)

WARRANTY:

Zoo Med Laboratories, Inc. (Zoo Med) warrants this product to be free of defects in material and workmanship under normal use and service for one year from the date of purchase. The obligation under this warranty is limited to the repair or replacement, at Zoo Med's discretion, of the product or any part thereof, when the product is returned to Zoo Med, freight prepaid. No claim shall be allowed under this warranty if, in the opinion of Zoo Med, this product has been subject to accident or improper usage, including but not limited to: water damage, improper storage, accidental dropping, modification, etc. This warranty is in lieu of all other warranties and representations expressed or implied. Please include your receipt, full name, address, phone number, and email address along with a note explaining failure when sending any product back to Zoo Med. Please allow 4 to 6 weeks for repair or replacement.

ZOOMED.COM