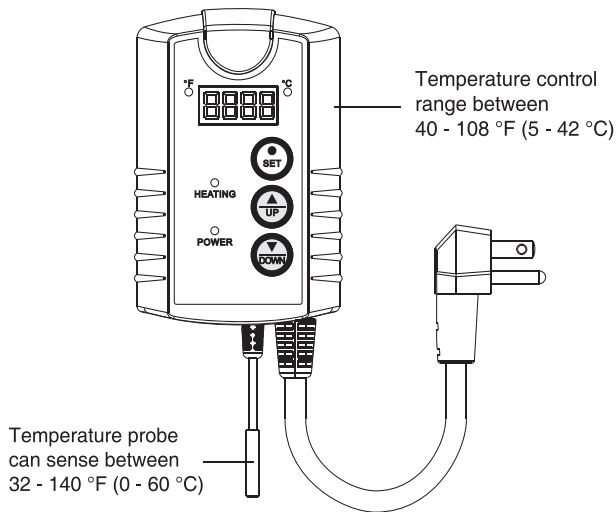


HEAT MAT THERMOSTAT MANUAL



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Designed in California Made in China

PROGRAMMING

STEP 1 CHANGING FROM °C TO °F

- Press and hold **UP** button for 3 seconds to change the unit to Fahrenheit (°F)
- Press and hold **DOWN** button for 3 seconds to change the unit to Celsius (°C)

STEP 2 SETTING UP THE THERMOSTAT CONTROLLER

Plug your thermostat controller into an electrical outlet. The **POWER** indicator will be on.

a. Programming your thermostat controller

- Press and hold the **SET** button until the display blinks. While the display is blinking, let go of the set button
- Using the **UP** and **DOWN** button, adjust the temperature to select your desired temperature while the screen is still blinking
- Press **SET** again to confirm

b. Setup

- By default, the display will reflect the current measured temperature.
- Place sensor probe near or on the heating appliance. Do not submerge the controller or probe in water.
- Plug your appliance into the thermostat controller.
- The **HEATING** indicator light will only turn on when the controller is actively powering your attached appliance.

When the preset temperature is reached, the **HEATING** indicator will turn off and power to your attached appliance will stop.

ATTENTION

- If the thermostat remains 'on' (delivering power to the heat mat) for more than 5 consecutive hours, it indicates the desired temperatures are not being reached.
- Do not immerse controller or probe into water
- Do not exceed a total of 1000 watts of heating devices plugged into thermostat
- If using with seedling heat mats, place sensor into rooting area about 1" - 1½". Position thermostat up and away from seedling trays and stray water. Do not expose probe to water.

TECHNICAL SPECIFICATIONS

- Works great for controlling plant or pet heat mat temperature
- Accurate LED display in 0.1 degree increments
- 1 degree increments for temperature setting
- Max Load: 1000 Watts - Max Amps: 8.3 A
- 120 V input & output voltage
- Temperature control range: 40 - 108 °F (5 - 42 °C)
- Temperature display range: 32 - 140 °F (0 - 60 °C)
- Saves current program after powering off
- Includes power and load indicator lights
- Includes 3 prong grounded electrical plug

ABNORMAL WARNING

If thermostat shows

- 'E1': the actual temperature is lower than 32 °F or 0 °C.
- 'E2': the actual temperature is higher than 108 °F or 60 °C.
- 'E3': the temperature sensor is not working properly.

WARNING

This product contains a soldered fuse and cannot be replaced. Please heed the following advice to prevent overloading the fuse.

1. We do not recommend using this product with any appliance with a compressor. Examples include refrigerators, A/Cs (air conditioners), or water cooling dispensers.
2. This product works well with heat mats, aquarium heaters, fans, and lights with a rating up to 1000W.
3. Please keep (HE) rating of the appliances
4. The controller is designed to have a 3 degree buffering zone before powering on again after reaching set temperature. This is to preserve the fuse built into the unit.

For example: If you set your temperature controller to 95. Your heating thermostat controller will heat your appliance up to the set temperature and turn off your heating appliance. Once the ambient temperature on your heating controller drops down to 92. The heating controller will activate your heating appliance again and heat back up to 95 and turn off. This process will repeat

TROUBLESHOOTING:

HEAT MAT IS NOT REACHING SET TEMPERATURE?

Standard heating mats will not fully heat a lot of tanks in the market. The heat mat itself does not have supply enough power to heat the entire tank. The temperature probe is reading the temp at the probe, and adjusting to that. You should tape the probe directly to the "**Under Tank Heater (UTH)**", then set the temperature however high you need it to get the bottom of the cage to the appropriate temp. Just some insight, a heat mat is only really good for belly heat and won't raise the ambient temps much. This is not the tstat malfunctioning.

If you need more assistance, we have a helpful short instructional video most our customers find helpful. Please enter the model number provided on the back of your product to YouTube and you will find a helpful instructional video made by one of our technical support team members. ([Http://www.Youtube.com](http://www.Youtube.com))