

# VIVOSUN



## Heat Mat Thermostat

### USER MANUAL

# Love what you grow™

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Thank you for choosing VIVOSUN. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us.

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# TEMPERATURE CHART

The ideal temperature is crucial to growing strong healthy plants. Excessive heat or cool results in poor growth quality. The digital temperature control device that allows gardeners to select and maintain optimum rooting temperatures for faster seeding or cutting growth. It is compatible with many other heat mats.

Plant type	Temperature for seed germination	Temperature for DAY	Transplant growth NIGHT
Verbena family Herb, shrubs, trees	18°C (65°F)	24°C (75°F)	18°C (65°F)
Alyssum	21°C (70°F)	16°C (60°F)	10°C (50°F)
Aster	21°C (70°F)	24°C (75°F)	18°C (65°F)
Calendula	21°C (70°F)	16°C (60°F)	10°C (50°F)
Dahlia	21°C (70°F)	24°C (75°F)	18°C (65°F)
Dianthis	21°C (70°F)	16°C (60°F)	10°C (50°F)
Petunia	21-27°C (70-80°F)	16°C (60°F)	10°C (50°F)
Marigold	21-24°C (70-75°F)	24°C (75°F)	18°C (65°F)

# USE OF THERMOSTATS

The thermostat can be used either in combination with a heating mat or separately with other electrical products, as described below.

## I. COMBINED USE OF THERMOSTATS AND HEATING PADS

### 1. Product Inspection:

Open the packaging, and check the thermostat and heating pad to make sure there are no visible signs of damage to either of them.

### 2. Power Product On:

Plug the heating pad into the thermostat's socket, then plug the thermostat into a 110 ~ 120V /60Hz power supply. At this time, the "POWER" light should show green and the monitor screen should show the default Fahrenheit temperature. The temperature reading shown at this time is the surrounding temperature at the thermostat temperature-sensing probe's location.

### 3. Placement of Temperature-Sensing Probe:

To detect the temperature of plant roots, insert the temperature sensor into the area containing the plant's roots. The depth of insertion should not exceed 1.3 inches. To detect the surface temperature of the heating mat, place the temperature sensor close to the mat's heating surface.

# USE OF THERMOSTATS

## 4. Setting Preset Temperature:

Press and hold the SET button for 3 seconds and the thermostat display number will start flashing. The number flashing at this time is the factory default Fahrenheit temperature. If you press  $\uparrow$  or  $\downarrow$  at this time you can increase or decrease this preset from 40 °F to 108 °F. Pressing and holding  $\uparrow$  or  $\downarrow$  at this time will rapidly increase or decrease the preset temperature rapidly. When the preset temperature is greater than the probe detection temperature, the HEATING lamp lights up green and the heating pad starts to heat up. When the preset temperature is lower than the probe detection temperature, the HEATING light goes out and the heating pad stops heating. If no actions are performed after the preset temperature has been set, the display will stop flashing after 20 seconds. After the display stops flashing, the temperature shown is the temperature detected by the probe. To manually stop the display flashing, press the SET button and hold it for 3 seconds. If you wish to adjust the preset temperature again, repeat the above operation.

## 5. Switching Between Fahrenheit and Celsius:

When the °F light is on, it means the current temperature is Fahrenheit. When the °C light is on, it means the current temperature is Celsius. Press the  $\downarrow$  key to switch from Fahrenheit to Celsius and press the  $\uparrow$  key to switch from Celsius to Fahrenheit. Fahrenheit temperature range: 40 °F ~ 108 °F; Celsius temperature range: 5 °C ~ 42 °C.

# USE OF THERMOSTATS

## II. USE OF THE THERMOSTAT WITH OTHER ELECTRICAL APPLIANCES

The thermostat can be used in combination with a heating pad, but the power of the appliances connected to the thermostat should not exceed 1000W and the current through the thermostat should not exceed 8.3A.

**TIPS:** The Digital Heat Mat is designed to achieve the desired heat temperature within 5 hours. If it takes longer than 5 hours, or if the mat runs for longer than 5 hours, desired temperatures are not being reached. To conserve power and increase the mat's efficiency, move the mat to a more insulated surface. You can also add a humidity dome to cover the seedling tray, which aids in heat retention.

### WARNING

**DO NOT USE THE THERMOSTAT IN HOT OR HUMID ENVIRONMENTS, AND DO NOT SUBMERGE THE THERMOSTAT IN WATER.**

If the probe's temperature reaches 108°F, the automatic safety shut-off is activated. In the event that you would like to use your thermostat to control air temperature, we've included a suction cup so that the probe can be mounted outside the rooting area.

Simply clip the suction cup over the probe and apply to desired area. It may help to moisten the suction cup before sticking it.

Designed by **VIVOSUN** in California.  
Made in China