OPTIMUM TEMPERATURE CHART

The ideal temperature is crucial to growing strong healthy plants. Excessive heat or cool results in poor growth quality.

Optimum plant temperatures	Temperature for seed germination		Temperature for transplant growth			
			DAY		NIGHT	
Plant Type	C°	F°	C°	F°	C°	F°
Verbena Family Herbs, shrubs, trees	18	65	24	75	18	65
Flowering plants						
Alyssum	21	70	16	60	10	50
Aster	21	70	24	75	18	65
Calendula	21	70	16	60	10	50
Dahlia	21	70	24	75	18	65
Dianthis	21	70	16	60	10	50
Petunia	21-27	70-80	16	60	10	50
Marigold	21-24	70-75	24	75	18	65
Fruits and Veggies Cucumbers, Eggplant, Melons, Peppers, Squash, Tomatoes						
	27	80	24	75	18	65
Salvia	21	70	24	75	18	65
Nicotiana	21	70	24	75	18	65

108°F 42°C
70°F 21°C
68°F 20°C

JUMP START®

Heat Mat **Thermostat**

MTPRTC
55MTPRTC

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HYDROFARM®

THE JUMP START® HEAT MAT THERMOSTAT

The Jump Start Heat Mat Thermostat™ is a digital temperature control device that allows gardeners to select and maintain optimum rooting temperatures for faster seedling or cutting growth. It is compatible with all Jump Start Heat Mats and most other seedling heat mats.

SET UP THE THERMOSTAT

1. Insert the probe approximately 1" – 1½" into the rooting area.

2. Position the thermostat up and away from seedling trays and stray water. **DO NOT SUBMERGE THE THERMOSTAT.**

3. Plug the heat mat into the thermostat.

4. Plug the thermostat's power cord into the power source/electrical outlet. The **POWER** LED lights up.

5. Set the maximum desired temperature for the heat mat.

USING THE CONTROLLER

1. Press the **SET** button to display the current pre-set temperature. The thermostat's LED screen shows the current temperature whenever the **SET** button is not activated.

2. Press and hold the **SET** button until the LED starts to blink, then you are able to adjust the temperature up or down by pushing the ▲ **(UP)** or ▼ **(DOWN)** arrows. The thermostat's LED screen shows the numbers as you cycle through them. Press the **SET** button again to set the chosen temperature. The **HEATING** light cycles on when the mat is in the process of heating. When the LED is not lit, the mat is not providing heat. The light turns off automatically when the mat reaches the pre-set temperature.

3. Press and hold the ▼ **(DOWN)** arrow button for three seconds to display the temperature in Celsius. Press and hold the ▲ **(UP)** arrow button to display the temperature in Fahrenheit.

TIPS

The Digital Heat Mat is designed to achieve the desired heat temperature within five hours. If it takes longer than five 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 effectiveness, move the mat to a more insulated surface. You can also add a humidity dome to cover the seedling tray, which aides in heat retention.

WARNING: DO NOT IMMERSE CONTROLLER IN WATER.

If the probe's temperature reaches 108 degrees 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 prior to sticking it.

WARRANTY: The Jump Start Heat Mat Thermostat is guaranteed to the original owner for one full year against defects in workmanship and materials. Save your receipt – a copy is required for all warrant work. Return the Heat Mat to your place of purchase.