



Pymeter PID Dimming Thermostat

# 1 Overview

Pymeter PID dimming thermostat is designed for controlling and regulating the temperature of various heating equipments, such as heat mats, lamps and aquarium heater. It features a digital display and adjustable temperature settings, allowing you to customize the temperature to meet your reptile's specific needs. It also includes a PID function for improved accuracy and stability, as well as a dimming function for adjusting the brightness of the heat lamp. This PID thermostat is easy to use and install, and it comes with all necessary wiring and accessories for a quick and hassle-free setup.

**Model:** PY-23T

**Power Consumption:**  $\leq 1.5W$

**Input:** 85~250V, 50/60Hz

**Output:** 85~250V, MAX 300W

**Size:** 129 x 37.5 x 18.3 mm / 5.08" x 1.48" x 0.72"

**Weight:** 209g / 7.4oz

**Power Cord:** 140cm / 4.59ft

**Sensor Cord:** 160cm / 5.28ft

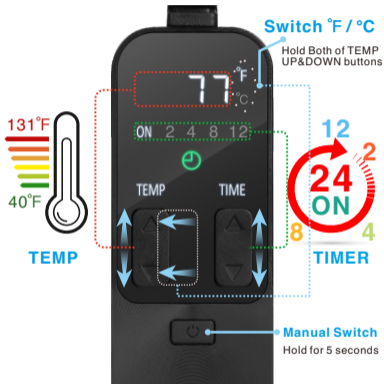
**Jack:** 9.3cm / 3.7"

**Temperature Set Range:** 4°C~55°C / 40°F~131°F

**Temperature Accuracy:**  $\pm 1^{\circ}C / 1^{\circ}F$

**Timer:** 2, 4, 8, 12 hours; default: always ON

## 2 Operation



## 3

## Quick Start

1. 「**Power On**」 plug the thermostat to wall socket. The display lights up automatically and shows the real-time temperature.
2. 「**Adjust Temperature**」 press  $\Delta$  or  $\nabla$  buttons below "TEMP" to set desired temperature you need to maintain. It keeps constant temperature within 1°F by regulating the heater power, instead of turning ON/OFF.
3. 「**Adjust Timer**」 if need to set timer, press  $\Delta$  or  $\nabla$  buttons below "TIME". It shows according number(hours) on display. When the set time is reached, the thermostat will automatically turn off the power. Please note the timer just auto OFF once, will not cyclically ON-OFF daily.
4. 「**Manual Switch**」 if need to switch off / on the thermostat manually, hold the  $\odot$  button for 5 seconds.
5. 「**Fix the Probe**」 make sure the sensor always stays fixed to the hot spot where needs to monitor / maintain temperature.
6. 「**Plug in Heater**」 attach heater to the jack of thermostat, if current temperature is lower than set temperature, it starts to regulate the power to heater and keep temperature constant at the set temperature.

## 4

**QUICK**  **TIPS** 

1. Press the TEMP  $\Delta$  or  $\nabla$  button once, it shows the set temperature, press again to change the value. If setting value is not changed, the display flickers twice then exit the setting. If setting value is changed, the display flickers thrice then exit the setting.
2. Under query or setting mode, the dot behind the temperature reading remains lit. The dot keeps flickering till current temperature reaches the set temperature.
3. To use with heat lamp, please do keep the bulb 30~50cm / 12"~20" away from the sensor, and make sure the sensor stays fixed to the hot spot which is exposed to the light (instead of far away from the heat source!) and not covered by anything. **If the distance is too close (\*too far), it will cause overheating, and the light will be dimmed off (\*take long time or unable to reach the set temperature), please adjust the distance to keep steady light / consistent temperature.**
4. Temp set range does not mean it can reach that temp, the highest temp it can reach is up to the attached heater, please also notice it can not get to a temp lower than ambient temp.

## 5 Dimming



Keep Constant Temperature and Gentle Light.

6

## Adjust lamp height



Please adjust the distance between the lamp and the sensor for steady light and constant temperature. The distance varies due to lamps of different wattages.

## 7

## Warranty & Support

Pymeter products are provided Lifetime Warranty and **One Year Exchange / Refund Guarantee.**

Any question / issue, don't hesitate to contact us anytime via Email [support@pymeter.com](mailto:support@pymeter.com) or Livechat below.



User Manual PDF



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