

Pymeter Wi-Fi 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-W25T

Power Consumption: $\leq 1.5\text{W}$

Input: 85~265V, 50/60Hz

Output: 85~265V, 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

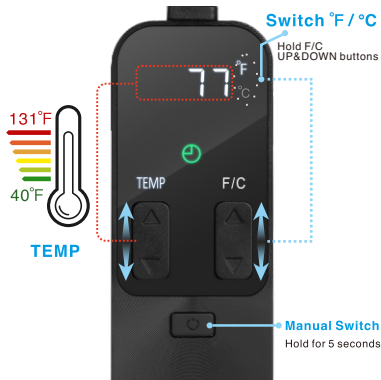
Jack: 9.3cm / 3.7"

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

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

Wi-Fi Band: 2.4 GHz only

2 Operation



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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 or 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. 「**Fix the Probe**」 make sure the sensor always stays fixed to the hot spot where needs to monitor / maintain temperature.
4. 「**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.
5. 「**Set up Wi-Fi**」 Install “Smart Life” app on smartphone from Google Play / App Store, or scan the QR code in [Chapter 7](#), and register an account. Open “Smart Life” app and click the plus sign “+” on the right corner of the App’s homepage to “Add Device”, and follow the app instructions to complete the setup. If fail, please hold F/C + simultaneously for 5 seconds to reset, or reboot your router. **NOTICE:** This device only supports 2.4 Ghz Wi-Fi. Make sure it is near the router.

1. Press the TEMP Δ or ∇ 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 right next to 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.

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Dimming



Keep Constant Temperature and Gentle Light.

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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.

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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 or Livechat below.



SmartLife App



User Manual PDF



LiveChat Support

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.