

Cuifati CUIFATIkssinguog3f

Cuifati Temperature Control Switch User Manual

Model: CUIFATIkssinguog3f

INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your Cuifati DC 5V-15V Temperature Control Switch. This versatile thermostat rheostat switch is designed for simple button control, making it ideal for DIY heated vests, gloves, pet belts, and other applications requiring precise temperature regulation within the specified voltage range.

SPECIFICATIONS

Feature	Detail
Product Name	5V~15V Temperature Controller
Current	2.5 A
Connector Type	5.5*2.1mm / 0.2*0.1in
Weight	Approx. 46g / 1.6oz
Input Voltage Range	DC 5V - 15V
Control Method	Button Control (5-speed reduction cycle)
Additional Features	Timing Function

SETUP

The Cuifati Temperature Control Switch is designed for straightforward integration into your heating system. Ensure your heater operates within the DC 5V-15V range and uses a compatible 5.5*2.1mm power connector.

- 1. Identify Connectors:** Locate the male and female 5.5*2.1mm DC power connectors on the temperature

control switch.

2. **Connect Heater:** Plug the male connector of your heater into the female connector of the temperature control switch.
3. **Connect Power Source:** Plug the male connector of the temperature control switch into your DC 5V-15V power source.



Figure 1: Overview of the Temperature Control Switch showing its connectors.



Figure 2: Detailed view of the 5.5*2.1mm DC power connectors.

OPERATING INSTRUCTIONS

The control switch features a single button for both power adjustment and timing functions. Indicator lights (RGB tricolor) provide visual feedback on the current setting.

Power Adjustment (5-Speed Reduction Cycle)

After connecting the power, the device will initially have no output and no indication. Press the button to cycle through the power levels:

Button Press	Output Status	Indicator Light	Approximate Voltage (for 12V input)
Initial State	No output	No indication	0V
1st Press	100% Output	Red Light	12V
2nd Press	80% Output	Green Light	~9V
3rd Press	60% Output	Blue Light	~7V

Button Press	Output Status	Indicator Light	Approximate Voltage (for 12V input)
4th Press	40% Output	White Light	~5V
5th Press	20% Output	Yellow Light	~3V
6th Press	No output (Shutdown)	No indication	0V



Figure 3: Control button and indicator lights for power adjustment.

Timing Function

To activate the timing module, long press the control button for 3-5 seconds. The indicator light will flash slowly, indicating you are in timing mode. Press the button repeatedly to cycle through the preset timing durations:

Button Action (in Timing Mode)	Timing Duration	Indicator Light (slow flash)
Long press 3-5s (enter timing mode)	Default 10 hours (600 minutes) if no further action for 5s	Red Light

Button Action (in Timing Mode)	Timing Duration	Indicator Light (slow flash)
Press once (after red light flashes)	8 hours (480 minutes)	Green Light
Press once (after green light flashes)	6 hours (360 minutes)	Blue Light
Press once (after blue light flashes)	4 hours (240 minutes)	White Light
Press once (after white light flashes)	2 hours (120 minutes)	Yellow Light
Press once (after yellow light flashes)	Cycles back to 10 hours (600 minutes)	Red Light

Once the desired timing duration is selected, the device will operate for that period and then automatically shut off.

MAINTENANCE

The Cuifati Temperature Control Switch requires minimal maintenance. To ensure optimal performance and longevity:

- **Keep Dry:** Avoid exposing the switch to water or excessive moisture.
- **Clean Gently:** If necessary, wipe the surface with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspect Connections:** Periodically check that all connections are secure and free from damage.

TROUBLESHOOTING

If you encounter issues with your temperature control switch, consider the following common solutions:

- **No Power/No Indication:**
 - Ensure the power source is active and providing the correct DC 5V-15V voltage.
 - Check all connections (power source to switch, switch to heater) are firmly seated.
- **Heater Not Heating:**
 - Verify the switch is turned on and an indicator light is illuminated (not in "No output" state).
 - Confirm the heater itself is functional by testing it directly with a compatible power source if possible.
 - Ensure the heater's voltage and current requirements do not exceed the switch's specifications (2.5A max current).
- **Timing Function Not Activating:**
 - Ensure you are long-pressing the button for 3-5 seconds to enter timing mode (the indicator light should flash slowly).

WARRANTY AND SUPPORT

Cuifati products are designed for reliability and performance. This product is supported by a **90-day exchange policy** from the date of purchase. For any technical assistance, warranty claims, or support inquiries, please contact Cuifati customer service through the platform where you purchased the product or visit the official Cuifati store page.

You can visit the Cuifati Store for more information: [Cuifati Store on Amazon](#)