REPTITRIP Reptile Thermostat Reptile Light Timer Instructions

Contents

REPTITRIP Reptile Thermostat Reptile Light Timer

IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONSWARNING: To reduce the risk of FIRE, ELECTRIC SHOCK, or INJURY TO PERSONS, read and follow all safety instructions prior to operation

- **PART 1:** Risk of Electric Shock
    - If the appliance falls into water, do not reach for it. Unplug it first, and then retrieve it. If electrical components get wet, unplug the appliance immediately. (Non-immersible equipment only.)
    - After installation, carefully examine the appliance. Do not plug it in if water is on parts not intended to be wet.
    - Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any way.
- **PART 2:** Risk of Fire
    - Do not use this product in potentially hazardous locations, such as flammable, explosive, chemical-laden, or wet atmospheres.
    - Do not cover power cords with rugs or other fabric materials.
    - Periodically examine the cords visually and immediately replace them when damage is noted.
    - The National Electrical Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run the cord behind walls, ceilings, sof1its, or cabinets where it may be inaccessible for examination.
- **PART 3:** Risk of Other Personal Injury
    - Use caution when children use or are near any appliance.
    - Do not attempt to repair electrical components yourself. Contact the seller for help.
- **PART 4:** Installation and Application

- Do not exceed the electrical rating. The maximum combined wattage between both sockets is 1250 watts.
- Fully extend the cord before using. Do not splice, repair, or modify the cord.
- Do not attempt to hardwire this product, as such actions may result in personal injury or electrical damage.
- This action will also void the product's warranty.
- Use the appliance only for its intended indoor use.
- Make sure all components are securely installed before operating the appliance.
- **PART 5:** Other Important Tips
  - Read and observe all the important notices on the appliance.
  - Properly connect the device to a grounded three-prong receptacle for added safety.
  - Do not alter or modify this product. Contact an electrician if you are unsure about the electrical connection.
  - This unit has no user-serviceable parts. Do not attempt to examine or repair this appliance.
  - Ensure that the input voltage matches your local power supply voltage.
  - Do not install or store the appliance where it will be exposed to weather or temperatures below freezing.
  - Do not yank the cable to pull it from the socket. Instead, pull the plug carefully to disconnect.
  - Ensure that your hands are dry when turning the power switch on or off, and while inserting or removing the power cable from the socket.
  - All products are supplied with fitted plugs. Do not tamper with them in any way. Tampering with the plug invalidates the guarantee.
  - Unplug the power cord before installing, servicing, or moving this product.

INTRODUCTION

- **PART 1:** PRODUCTS OVERVIEW
  - SOP24 is a reliable, safe, and user-friendly dual-relay output temperature controller.
  - It functions as an automatic temperature control system, providing over-temperature protection for various electrical appliances.
  - It is suitable for a wide range of applications, including home-brew equipment, aquariums, pet breeding, incubation, BBQ grills, seedling heat mats, oven temperature control, terrestrial heat control, constant temperature cycles of heating pumps, culture fermentation, accelerated germination, electric radiators, and electric ovens.
  - This product features a plug-and-play design with dual relays, ensuring seamless connectivity with refrigeration and heating equipment for optimal temperature and time control.
  - Equipped with a 2.0″ LCD display, it offers three different time data settings and DAY&NIGHT temperature programs, allowing for personalized temperature control. With a total output power of 1250W, SOP24 is suitable for most applications.

Main features

- Plug-and-play design for ease of use.
- Equipped with independent dual outlets.

- Dual relays enable the control of timing and temperature equipment either simultaneously or separately.
- The 2.0″ LCD screen is clear and easy to read, displaying set time and temperature alternately.
- Maximum output load:1250W.
- Settings are retained even in the event of power loss.
- Multiple groups of automatic timer data can be set.
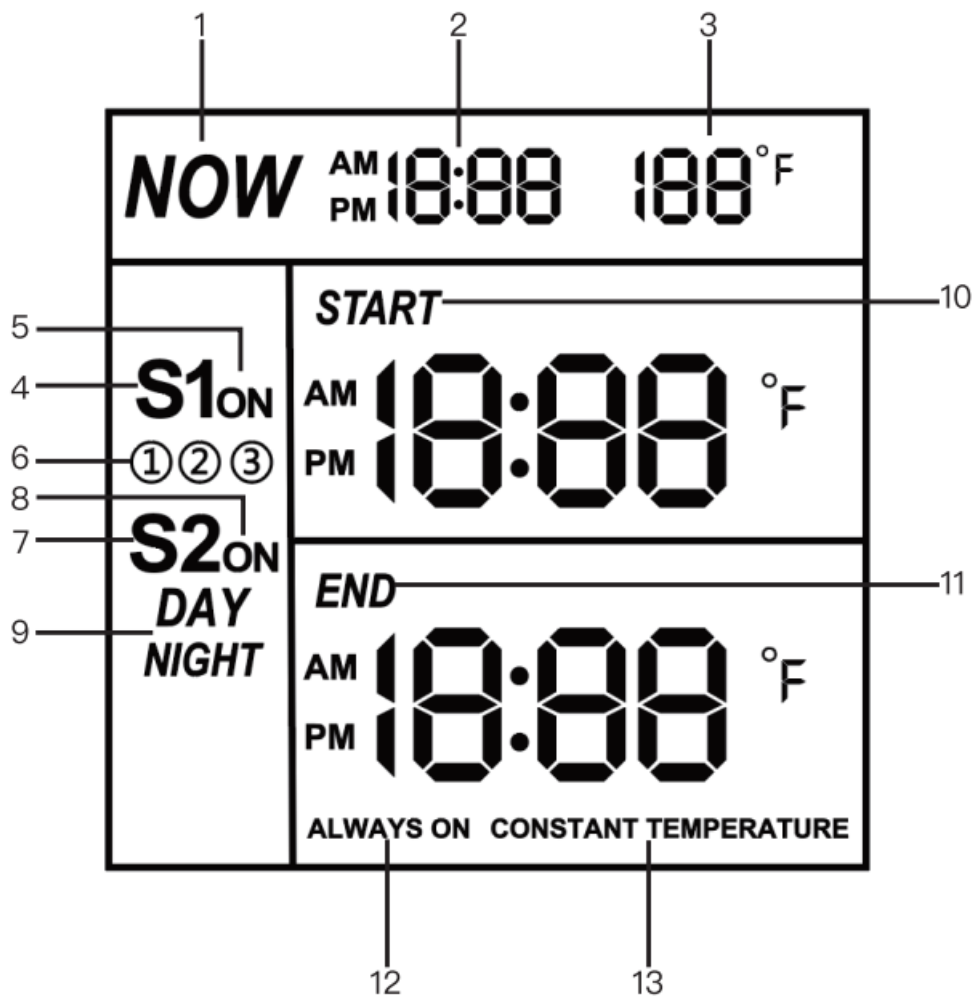- Day and night temperature ranges can be easily customized.

PART 2: KEYS FEATURES
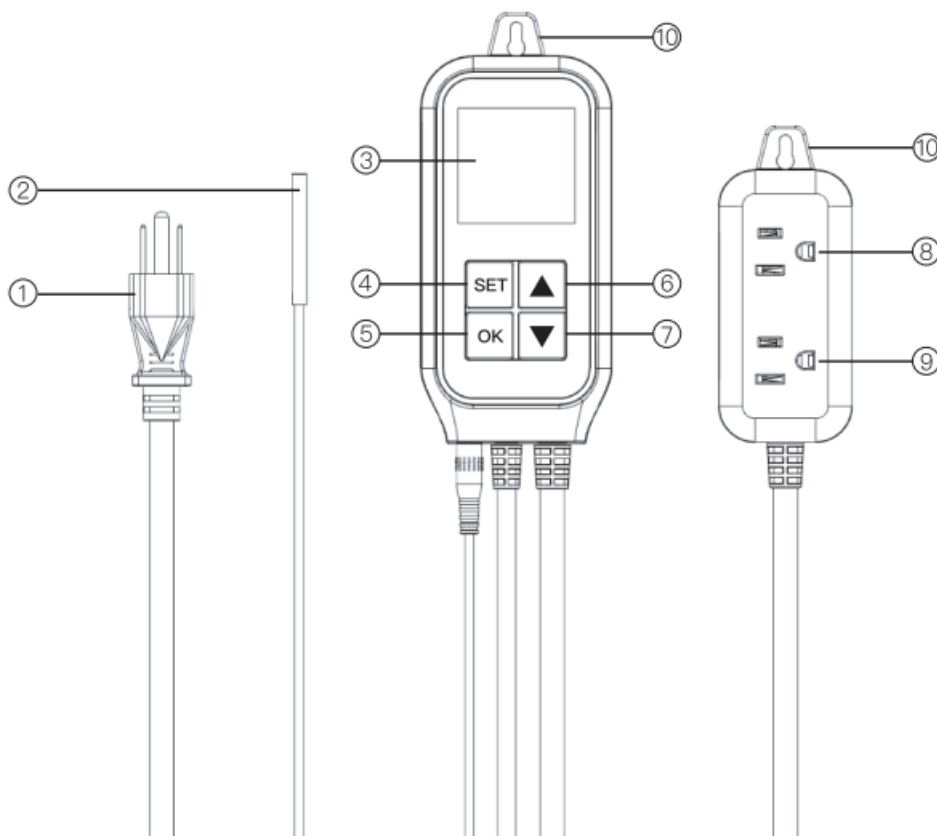
1. Power Plug
2. Temperature Sensor Probe
3. LCD Screen
4. SET Button
5. OK Button
6. Increase Numerical Settings Button
7. Decrease Numerical Settings Button
8. **S2:** Temperature Setting Socket (Temperature range setting for specific time period)
9. **S1:** Time Setting Socket
10. Hanging Hole

PART 3: DISPLAY INTRODUCTION
Please check the instructions below before parameter configuration.

NOW AM PM **18:88** **188**°F

1
2
3

START — 10

S1 ON
5
4

① ② ③
6

S2 ON
8
7

DAY
NIGHT
9

AM PM **18:88** °F

END — 11

AM PM **18:88** °F

ALWAYS ON   CONSTANT TEMPERATURE

12
13

| S/N	Function	Status		
		OFF	Flashing	**ON**
	Display local time and current temperature			ON
2	Set the current local time			ON
3	The current temperature measured by the temperature probe			**ON**
4	Set the 81 socket operating time			The S1 socket is currently in the process of being set up
5	The timing program is currently active			The S1 socket is currently operating
6	Three groups of operating time can be set in total	OFF	Time setting is currently in progress	The program group is currently running
7	Configuring the operation program for the S2 socket (including time and temperature)			The S2 socket is currently in the process of being set up
8	The set program is currently running			The S2 socket is currently operating
9	Program the working period and its corresponding temperature range during the day or night			The configured program is currently running
10	Program the start time and temperature			The configured program is currently running
11	Program the end time and temperature			The configured program is currently running
12	Means 81 socket is continuously operational			The configured program is currently running
13	Indicate that the S2 device has the same start and end temperature during the day and night			The configured program is currently running

PART 4: SPECIFICATION

Model	SOP24
Color	Black
Package Weight	372g
Temperature Control Range	32°F-140°F
Temperature Resolution	0.1°F
Temperature Accuracy	±2°F
Temperature Control	S2 socket (DAY &NIGHT Temperature setting)
Input Power	100 – 240V AC,50Hz/60Hz
Rated Current	10A
Maximum Power	1250W
Sensor Probe	NTC sensor(including)
Sensor Probe Cord Length	2m / 6.56 ft (including probe length)
Input Power Cable Length	140 cm /4.59 ft
Output Power Cable Length	46 cm/ t.5 ft
Size	Controller: 13.41*6.58*3.45 cm / 5.27*2.59*1.35 inch
	Socket (US Standard): 11*5*3.7 cm/ 4.3*1.96*1.45 inch
Working environment temperature	32 – 140°F / 0°C – 60°C
Storage temperature	14 – 140°F / – 10°C – 70°C
Best viewing angle of LCD screen	6 O'clock direction

POWERING AND SETUP

NOTE: To avoid any damage, please ensure that you have carefully read and fully understood the following procedures before starting, as incorrect operation may result in serious harm to you or your device.
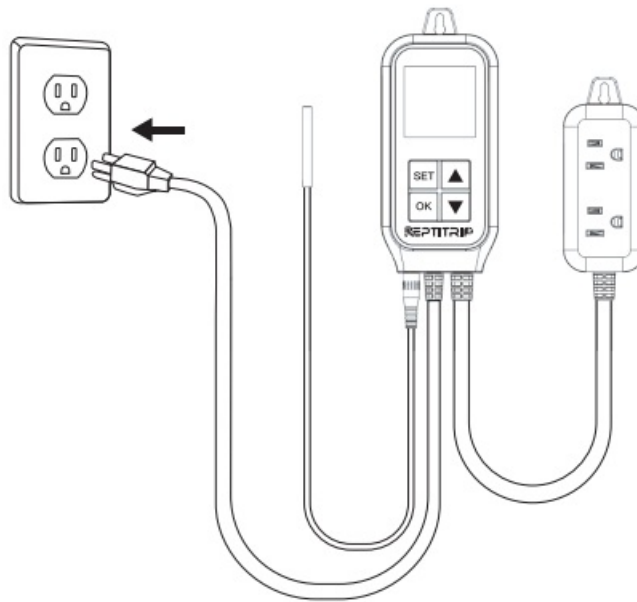
- **PART 1:** SENSOR PROBE INSTALLATION
 - Plug the sensor probe into the 3.5mm port located at the bottom side of your controller.
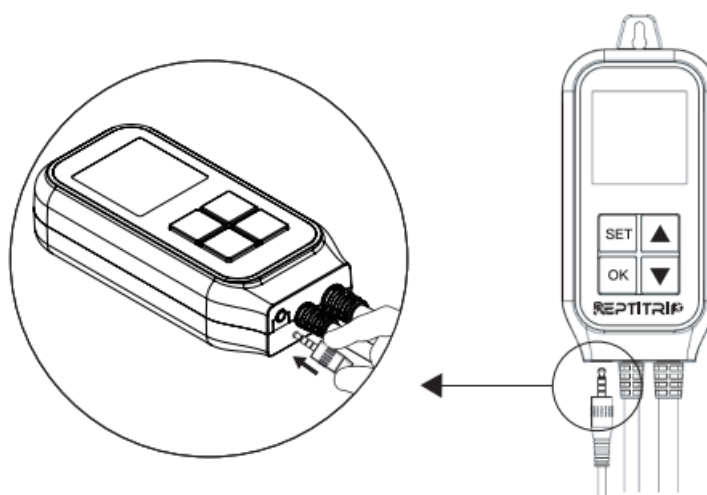
- **PART 2:** POWER-ON
    - Please plug in the power cord to the power outlet (within the range of 100-240VAC) to turn on the controller. The screen will illuminate and display the temperature, along with the local time blinking.
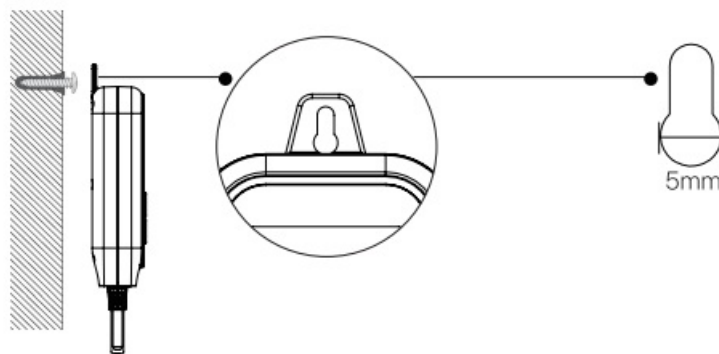

- **PART 3:** FIX THE PROBE
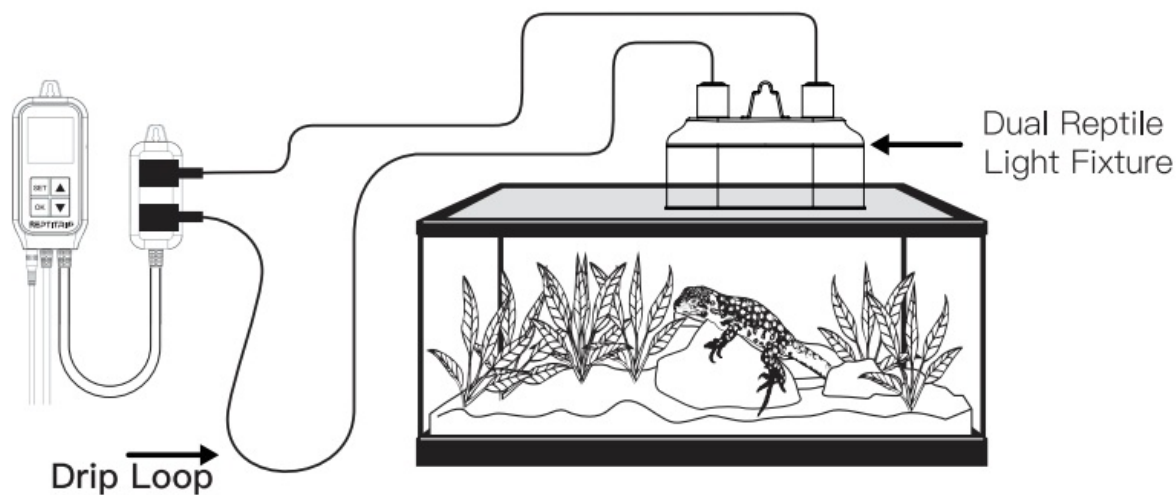   - Secure the corded sensor probe in position using the included suction cups.
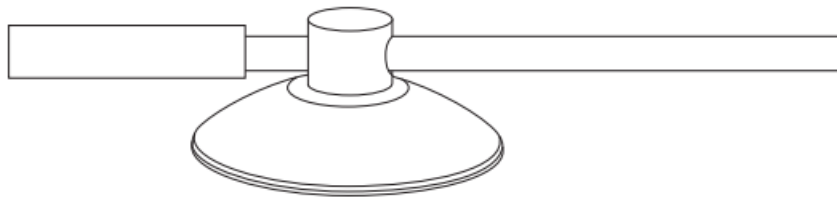
- **PART 4:** MOUNTING ON A WALL
    - Hang the controller on the screw by using the hole located on its top for the purpose of securing it
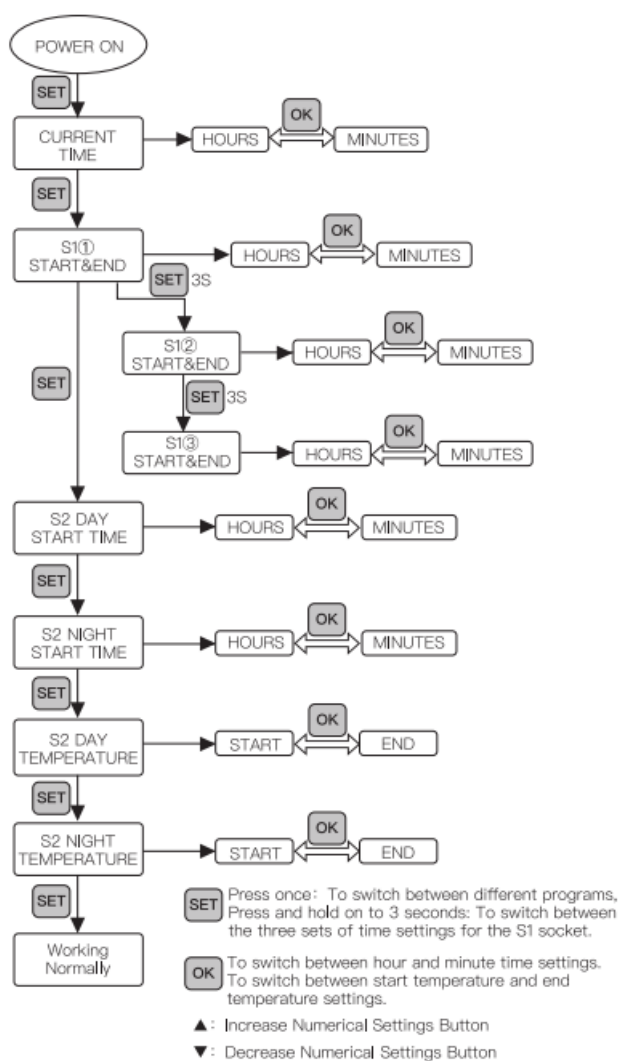

- **PART 5:** PLUG YOUR DEVICE
    - Plug your device (not included) into either one or both of the sockets to power it using your controller.
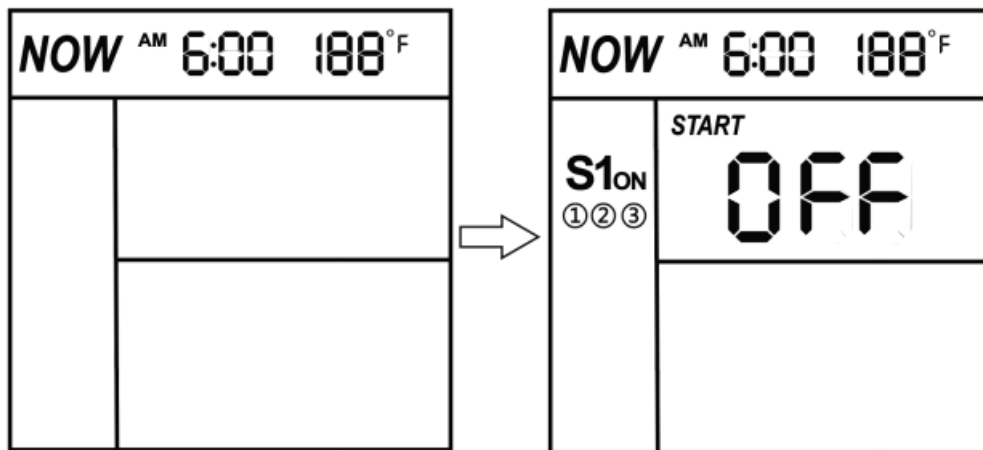
Dual Reptile Light Fixture

Drip Loop

PROGRAMMING

SETUP FLOWCHART

POWER ON

SET

CURRENT TIME → HOURS ⇄ OK ⇄ MINUTES

SET

S1① START&END → HOURS ⇄ OK ⇄ MINUTES

SET 3S

S1② START&END → HOURS ⇄ OK ⇄ MINUTES

SET 3S

S1③ START&END → HOURS ⇄ OK ⇄ MINUTES

SET

S2 DAY START TIME → HOURS ⇄ OK ⇄ MINUTES

SET

S2 NIGHT START TIME → HOURS ⇄ OK ⇄ MINUTES

SET

S2 DAY TEMPERATURE → START ⇄ OK ⇄ END

SET

S2 NIGHT TEMPERATURE → START ⇄ OK ⇄ END

SET

Working Normally

SET Press once: To switch between different programs,
Press and hold on to 3 seconds: To switch between the three sets of time settings for the S1 socket.

OK To switch between hour and minute time settings.
To switch between start temperature and end temperature settings.

▲: Increase Numerical Settings Button

▼: Decrease Numerical Settings Button

- **STEP 1:** SET CLOCK

- After three seconds of powering on, the screen will display the real-time temperature measured by the probe, as well as NOW and AM. At the same time, the hour digit of the clock will start blinking.

- Press the ▲ or ▼ buttons to set the time of day, including AM and PM.

- Press the OK button to switch between Hour and Minute time settings.

- Press the SET button to save your changes and access the S1 socket START TIME settings. (1) and "OFF"will flash in this case.

- **TIPS:**
  - The default start time is AM 6:00.
  - Without the insertion of the probe, the temperature display will show as −°F.

- **STEP 2:** S1 START TIME (S1 Socket)
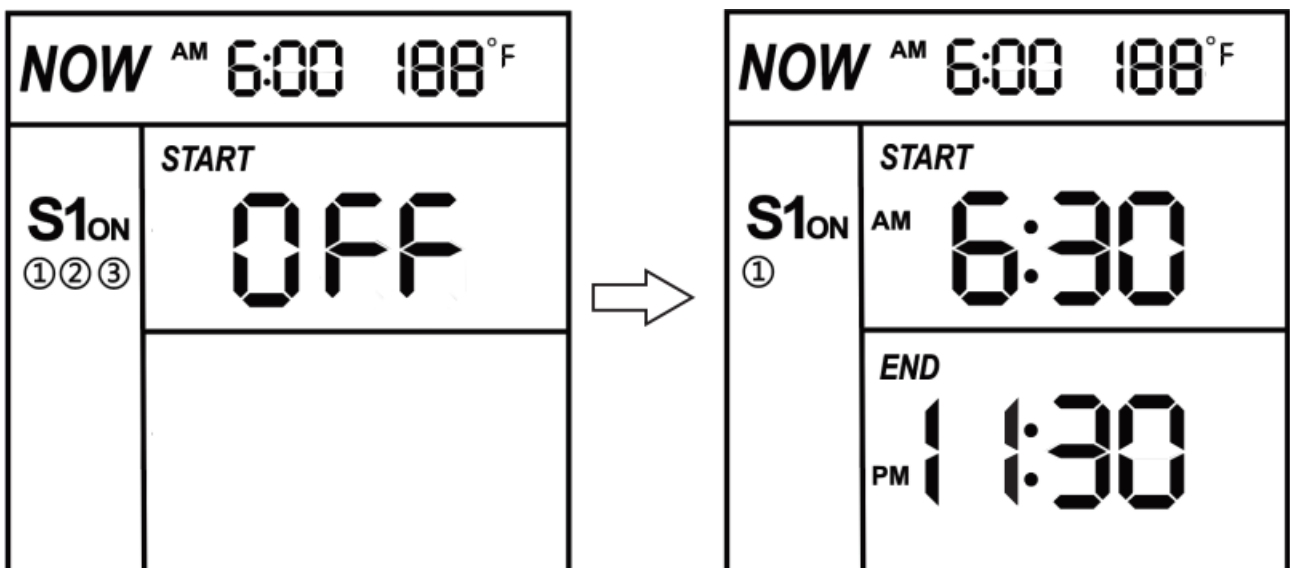
- After completing [STEP 1.4] , (1) and "OFF" will flash, signaling the start of the first group of START TIME settings for the S1 socket.

- At this time, press SET for 3sec to enter the second(2) group of settings, and press for another 3sec to enter the third (3) group of settings.

- Press the ▲ or ▼ buttons to set the time of day, including AM and PM.

- Press the OK button to switch between Hour and Minute time settings.

- Press the SET button to save your changes and access the END TIME settings.

- The hour digit of the clock will begin flashing at the same time.

- **STEP 3:** S1 END TIME (S1 Socket)
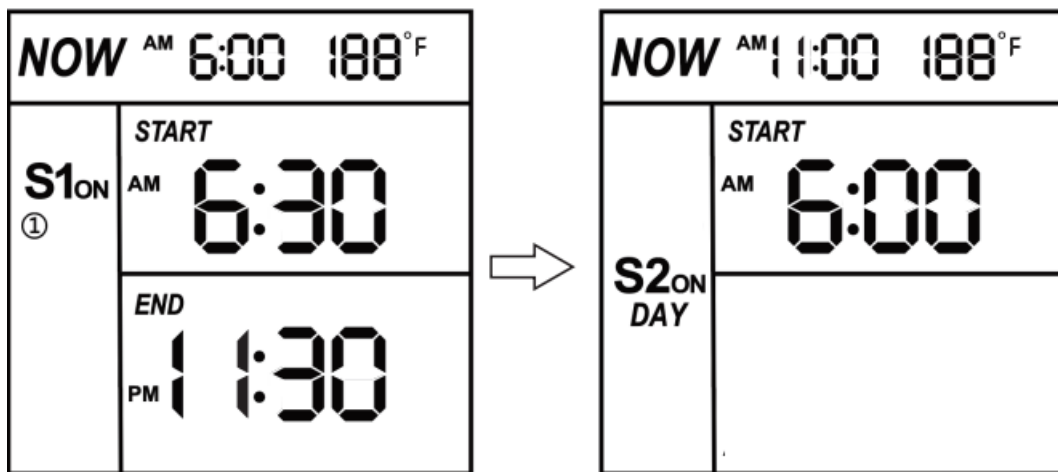
- After completing [STEP 2.4] , the hour digit of the clock will begin flashing, signaling the start of the first group of END TIME settings for the S1 socket.
- Press the ▲ or ▼ buttons to set the time of day, including AM and PM.
- Press the OK button to switch between Hour and Minute time settings.
- Press the SET button to save your changes and access the S2 socket DAY START TIME settings.
- The hour digit of the clock will begin flashing at the same time. The default start time is AM 6:00.
- **TIPS:** If the START time is later than the END time, the current program will be deactivated and display "OFF".

NOTE:

1. When powered on for the first time, the START time for the three data sets (1 2 3) in S1 sockets defaults to "OFF".
2. When (1) flashes, press and hold the SET button for 3 seconds to switch to the second group data set, (2) will start flashing. Press and hold the SET button again for another 3 seconds to switch to the third group data set, (1) will also start flashing.To configure the settings, repeat steps [2.2] to [3.4] Press SET again for 3 seconds to return to the settings for the first group (1).
3. The default START time for the three sets of settings (1 2 3) is AM 6:00.
4. If there is a conflict between the START and END time settings for the three sets of (1 2 3) data, the earliest start time and latest end time will be used.
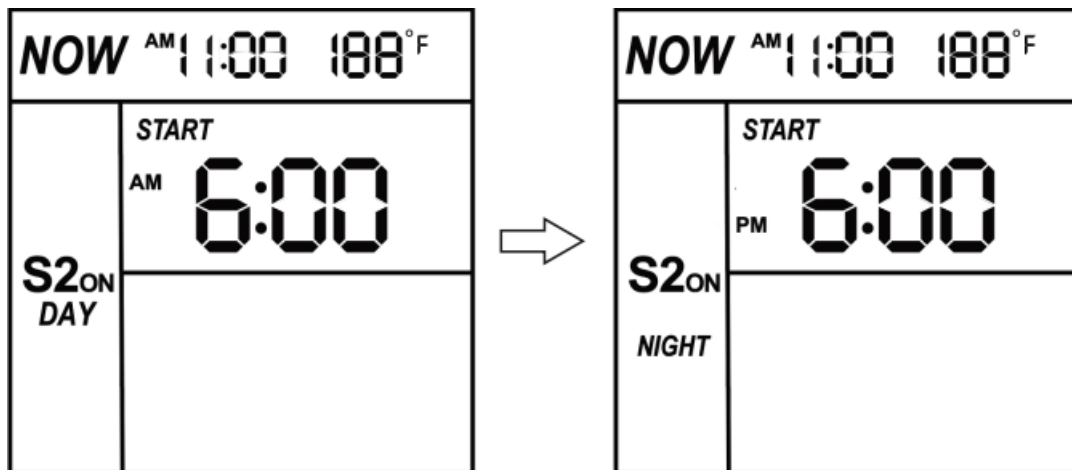
FOR EXAMPLE

	START TIME	END TIME
S1 (1)	AM 1:00	AM 6:00
S1 (2)	AM 7:00	PM 5:00
S1 (3)	PM 4:00	PM 8:00
	fmal runtime	
S1 (1)	AM 1:00	AM 6:00
S1 (2)	AM 7:00	PM 8:00

If the START TIME is 12:00 AM and the END TIME is 11:59 PM, "ALWAYS ON" will be displayed, indicating that the S1 socket remains operational continuously."

**STEP 4:** S2 DAY&NIGHT START TIME (S2 Socket)

1. After completing [STEP 3.4] , the hour digit of the clock will start flashing, indicating the beginning of the START TIME settings for the S2 socket during the DAY.

2. Press the ▲ or ▼ buttons to set the daytime from 1:00 AM to 12:00 AM.

3. Press the OK button to switch between Hour and Minute time settings.

4. Press the SET button to save your changes and access the S2 socket NIGHT START TIME settings. The hour digit of the clock will begin flashing at the same time. The default start time is 6:00 PM .

5. Press the ▲ or ▼ buttons to set the nighttime from 1:00 PM to 12:00 PM.

6. Press the SET button to save your changes and access the S2 socket DAY START temperature settings. The temperature value for daytime will begin blinking at the same time. The default start temperature is 68°F.

TIPS: The start time of nighttime is the end time of daytime, and vice versa.

FOR EXAMPLE

	START	RUNTIME
DAY	6:00 AM	12 hours
NIGHT	6:00 PM	12 hours

STEP 5: S2 DAY TEMPERATURE (S2 Socket)
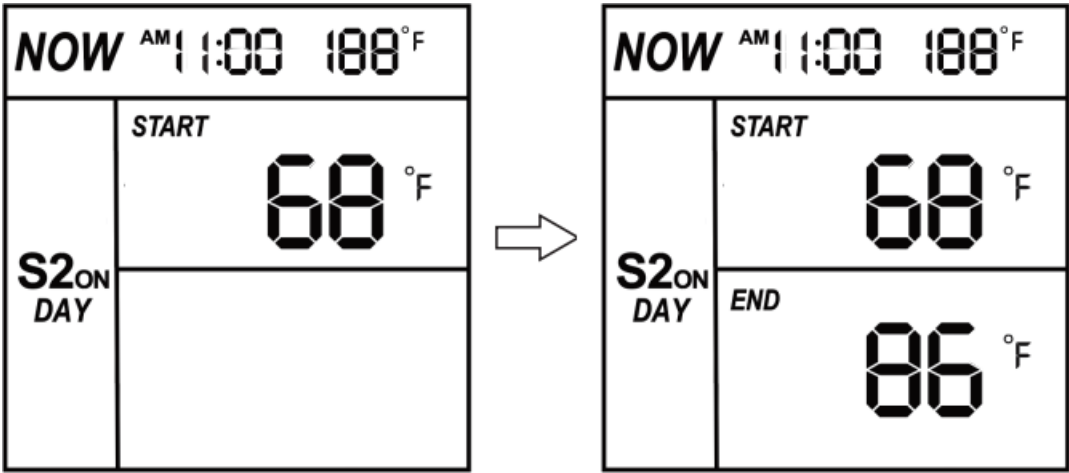
1. After completing [STEP 4.6] ,the temperature value for daytime will begin blinking,indicating the beginning of the START TEMPERATURE settings for the S2 socket during the DAY.

2. Press the ▲ or ▼ buttons to set the daytime temperature from 32°F-140°F.

3. Press the OK button to toggle between START and END temperature settings.

4. Press the SET button to save your changes and access the S2 socket NIGHT START temperature settings. At the same time, the temperature value for nighttime will also start blinking. The default start temperature is 68°F.
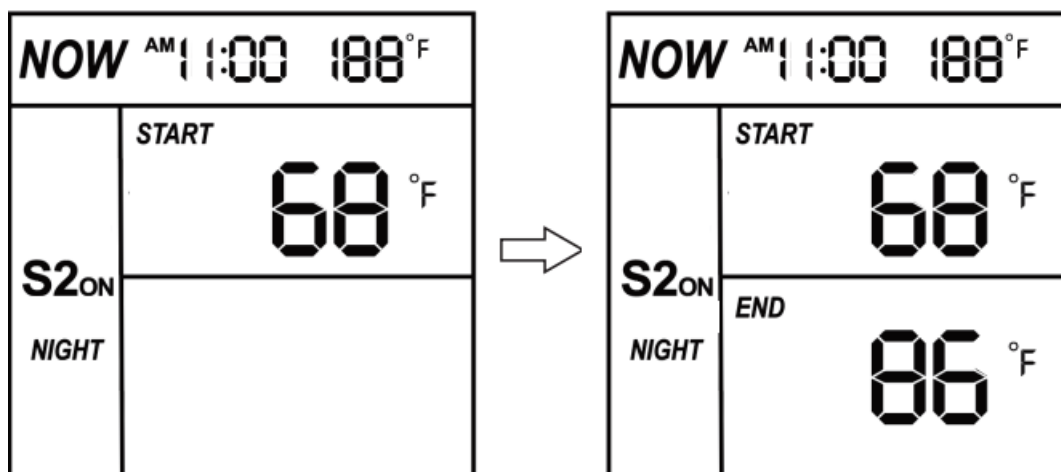
TIPS:

- The default start temperature value is 68°F, and the end temperature value is 86°F.
- The temperature can be set within the range of 32°F to 140°F.
- The end temperature is higher than the start temperature.
- Without inserting the temperature probe, the temperature settings for the S2 socket will be ineffective. elf the START and END temperature settings for DAY and NIGHT are the same, the screen will display "CONSTANT TEMPERATURE".

FOR EXAMPLE

	START	END	Display
DAY	68°F	86°F	**CONSTANT TEMPERATURE**
NIGHT	68°F	86°F	

STEP 6: S2 NIGHT TEMPERATURE (S2 Socket)

1. After completing [STEP 5.4] ,the temperature value for nighttime will begin blinking,indicating the beginning of the START TEMPERATURE settings for the S2 socket during the NIGHT.

2. Press the ▲ or ▼ buttons to set the nighttime temperature from 32'F~140'F.

3. Press the OK button to toggle between START and END temperature settings.

4. Press the SET button to save your changes and access the main interface, initiating the machine's operation. The screen will cycle through displaying your settings

TIPS:

- The default start temperature value is 68'F, and the end temperature value is 86'F.
- The temperature can be set within the range of 32'F to 140'F.
- The end temperature is higher than the start temperature.
- Without inserting the temperature probe, the temperature settings for the S2 socket will be ineffective.
- If the START and END temperature settings for DAY and NIGHT are the same, the screen will display "CONSTANT TEMPERATURE".

FOR EXAMPLE

	START	END	Display
DAY	68°F	86°F	
NIGHT	68°F	86°F	**CONSTANT TEMPERATURE**

ADDITIONAL FEATURES

1. **Power-off memory:** After power is restored, the device automatically resumes running the saved programs.

2. The current time continues to run automatically even after a power outage.

3. Simultaneously press and hold the SET and ▼ buttons for three seconds to restore factory settings.
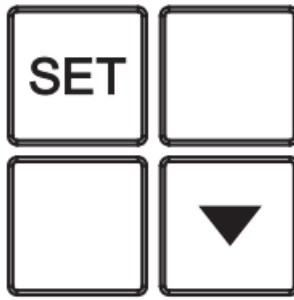
WARRANTY

WHAT THE WARRANTY COVERS:

- REPTITRIP store warrants this product (see Exclusions below) to the original purchaser against defective material and workmanship that occurs during normal use for 2 months from the date of original purchase.
- Store will, at Store 's option, either repair or replace same without charge (but no cash refunds will be made).

EXCLUSIONS:

1. Damage resulting from accident, misuse, abuse, lack of reasonable care, subjecting the product to any but the speci1ied electrical service, other than normal and ordinary use of the product, subjecting the product to abnormal working conditions or any other failure not resulting from defects in materials or workmanship.
2. Damage resulting from modi1ication, tampering with or attempted repair by anyone other than the Store .
3. Transfer of product to someone other than the original consumer purchaser.

FOR WARRANTY OR TECHNICAL SERVICE:

- Contact the store by mail **support@reptltrlp.net**. to obtain a return authorization number.
- **NOTE:** Be sure to provide contact information when recuesting return authorization number.

LIMITATION OF IMPLIED WARRANTIES AND EXCLUSION OF CERTAIN DAMAGES:

- THE COMPANY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT.
- Our service is friendly and hassle-free sup **port@reptitrip.net**.

Documents / Resources

REPTITRIP Reptile Thermostat Reptile Light Timer [pdf] Instructions
Reptile Thermostat Reptile Light Timer, Reptile, Thermostat Reptile Light Timer, Reptile Light Timer, Light Timer, Timer

References

- **User Manual**