



NOTICE D'UTILISATION

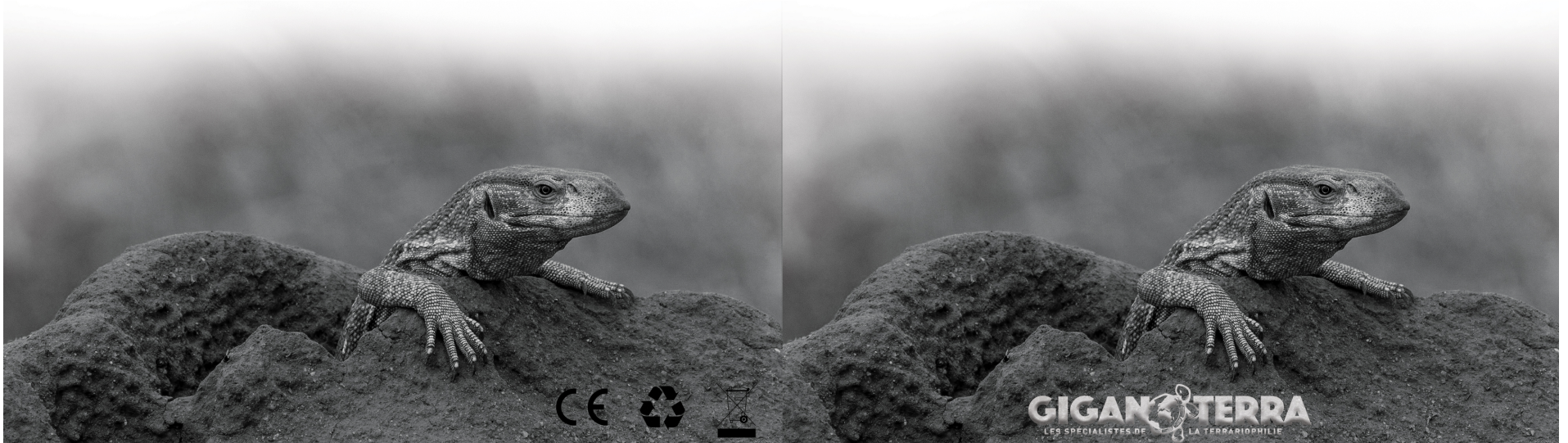
INSTRUCTIONS FOR USE

THERMOSTAT DIGITAL

G04-00118

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**DIGITAL DIMM-THERMOSTAT
DAY/NIGHT & TIMER
G04-00118**



Instructions :

The Thermostat uses its intelligence to determine the amount of current to be supplied, when the sensor reading begins to approach the target temperature, it reduces the current so that the area will not overheat once the target is reached.

In addition, if the temperature starts to drop, the thermostat will start sending energy to your heaters to keep the temperature from falling below the target temperature.

Compared to ON/OFF control mode, the Thermostat can avoid the unstable change of temperature and lighting caused by switching on & off frequently, so it's more conducive to the health of reptiles, even it can make the heater or other electrical equipment maintain long service life and save money for users.

Main features:

1. Big LCD display, friendly interface, easy to read, operates and set the parameters,
2. Using real-time clock to control the light, simulating the day and night as real environment.
3. Small and elegant appearance, can adopt attached on the glass, stand on the table, or install into the aquarium terrarium, fit for different operating requirements of users.

Main Functions and Parameters:

- ◆ Temperature controlling range: 0 ~ 50 ° C
- ◆ Resolution: 0.1°C; Accuracy: ±1.0°C
- ◆ Time unit: hour (24:00 format)
- ◆ Input voltage: 220Vac±15%(standard)/50HZ
- ◆ Humidity: 20%~85%°C
- ◆ Ambient Requirements: Temperature: -10~60°C
- ◆ Timer output: resistive load MAX 1100W; inductive load MAX 275W; incandescent bulb MAX 220W
- ◆ Temperature measuring range: 0 ~ 50 ° C
- ◆ Température: -10 ~ 60 ° C;
- ◆ Input: 1 NTC sensor
- ◆ Product consumption: ≤3W

Icons :

- Icon flashing : Heating output
- Upper part rapid flashing : Alarm status over temperature
- Icon flashing: Daytime
- Icon flashing: Nighttime
- Icon flashing: The timer is on

Menu item	Set	Default value	Remarque
Heat (mode)	Heat	Heat	
Daytime temperature	0.0~50.0°C	25°C	à 0.1°C
Nighttime temperature	0.0~50.0°C	20°C	
Daytime from	00:00—22:59	08:00	
Daytime to	01:00—23:59	18:00	If TO time is earlier than FROM time, display error message «ERR»
Alarm over temperature	0.0~5.0°C	5.0°C	Step step 0.1°C
First Timing Control : L1 ON : FROM OFF : TO	00:00~23:59	00:00~06:00	Disabled if FROM and TO are same
Second Timing Control : L2 ON : FROM OFF : TO	00:00~23:59	12:00~18:00	Disabled if FROM and TO are same
Real Time	00:00~23:59	Real Time	

Parameters setting:

Parameters would be set according to the following circular mode in the first time. All the parameters are set and saved instantly.
First of all, make sure the power is on.

1. Daytime temperature setting.

Press SET key for 3 seconds to display the default temperature value while icon SET and then press UP or DOWN key to select the ideal temperature you want.

2. Nighttime temperature setting.

Press SET key once to display the default temperature value while icon SET and press UP or DOWN key to select the ideal temperature you want.

3. Over temperature alarm setting.

Press SET key once until lower part of icon flashing and display the current over temperature alarm value, press UP or DOWN key to select the idea over temperature you want.

4. Timing setting.


4.1. First timing control L1:

A. Start time setting: Press SET key until display L1 and FROM icon flashing, at the same time display the default time, press UP or DOWN key to set the hour.



After hour set, press SET key to set the minute, press UP or DOWN key to set the value;
B. End time setting: When start time is already finished, press SET key and then TO icon flashing, you can set end time in the same method.

4.2 Second timing control L2: The same operation with first timing control L1.



5. Real-time setting.

Press SET key, icon  flashing and display current hour set value, press UP or DOWN key to adjust the system time.
Press SET key and then set minute value in the same method.

6. Daytime time setting:

A. Start time setting: Press SET key,  and  icon flashing, at the same time FROM flashing and display default hour value, press UP or DOWN key to modify the value.
After hour set, press SET key to set the minute, press UP or DOWN key to set the value.
B. End time setting: When start time is already finished, press SET key and then TO icon flashing, you can set end time with the same method of start time setting.

7. Night time time setting:

A. Start time setting: Press SET key,  and  icon flashing, at the same time FROM flashing and display default hour value, press UP or DOWN key to modify the value.
After hour set, press SET key to set the minute, press UP or DOWN key to set the value.
B. End time setting: When start time is already finished, press SET key and then TO icon flashing, you can set end time with the same method of start time setting.

Tips:

1. If current menu don't need adjustment, press SET key directly to switch to next menu, press SET key for 3 seconds to exit and save settings.
2. Parameters of temperature and timer can be recycled view by pressing UP or DOWN key in normal status.
3. The product returns to normal working condition automatically without any key operate in 15 seconds.
4. Parameter adjustment: Press UP or DOWN key and hold, enter into quickly adjusting state.

Set high and low limits of the set temperature:

In normal working status:

- A. High limit: Press UP key for 5 seconds to display current high temperature limit setting(50°C), and then press UP or DOWN key to modify the set value.
B. Low limit: Press DOWN key for 5 seconds to display original low temperature limit setting(0°C), and then press UP or DOWN key to modify the set value.
For example: if the limits are default value, the set temperature can be adjusted between 0~50°C; if the high limit is 30°C, low limit is 10°C, the set temperature can only be adjusted between 10~30°C.

Heat controlling function:


Heating systems works in below situation:
the measuring temperature < the set temperature.
Heating systems stops working in below situation:
the measuring temperature > the set temperature.

Timing setting:

FROM : timing of turning on light; TO: timing of turning off light.

If the system time is during FROM time and TO time, the light will light when timing setting has adjusted and saved. For example, original timing starting time is 8:30, original timing ending time is 18:30, new timing starting time is 6:00, new timing ending time is 18:00, the system time is 7:00, you will see the light is on. If not, the light is off.

Others:

1. Over temperature alarm: upper part of  icon rapid flashing with "drops" alarm sounds and display the measuring temperature in below situation:
A. the measuring temperature \geq the set temperature + Alarm over temperature.
B. the measuring temperature \leq the set temperature - Alarm over temperature.
2. Exceed temperature measuring limits alarm: with "drops" alarm sounds at the same time. the measuring temperature <0.0°C, display LLL: super low temperature; the measuring temperature >50.0°C, display HHH: super high temperature.
3. Probe fault alarm: when probe have open circuit or short circuit faulty, display error message of probe faulty "ERR"

*Mute alarming manually:

- A. the 1st and 2nd alarm can be muted by pressing any key, but probe fault alarm sound cannot eliminate.
B. Press UP or DOWN key at the same time for 3 sec or more, the menu is available to choose whether to eliminate alarm sound, AL: have alarm sounds, NO: have no alarm sounds.
C. You can choose one and press SET to save and exit.

● Socket output control load:

I: heating output; II: timer output, such as lighting or oxygen pump.

Remarks:

When you choose a heater, please choose appropriate capacity one, for low capacity one will take very long time to reach the setting temp., but the high capacity one will make G04-118 always working at low capacity, So such unsuitable capacity of the heater/cooler will influence the heating / cooling effect, and even cause damage to the heater/cooler and G04-118 if you use them for long time.

Safety regulations:**Dangers:**

1. Please avoid overload, load short circuit, misuse, human damage etc., which is not covered by the warranty. Load short circuit can damage the dimming output immediately!
 2. DO NOT connect the wire terminals without electricity cut-off.
- Warning: DO NOT use the machine under the environment of over damp, high temp, strong electromagnetism interference or strong corrosion.

Notes:

1. The power supply should conform to the voltage value indicated in the instruction and keep stability.
2. To avoid the interference, the sensor down-lead and power wire should be kept a distance.