

Temperature Controller with Timer

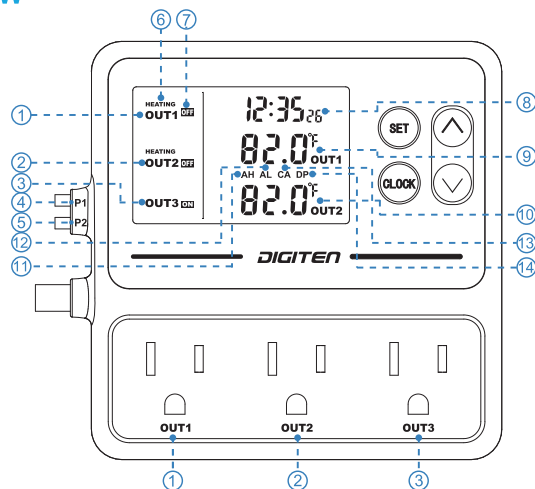
Modell: TTC-1003

The thermostat with timer is specially designed for pet breeders. The large LCD display makes your settings or monitoring clear at a glance. Two sets of probes can control different pets respectively. The controller has three outlets, the first and second are temperature control and time control, the third is timing switch control, and the three work independently without interfering with each other. Different temperature or lighting needs can be set for your pet during the day and night. Intelligent control allows pets to live in a comfortable environment forever.

FEATURE

- The timer is for day and night temperature control.
- The three outlets work independently without interfering with each other.
- A button battery is included to store the current time.
- Power-off memory function, all settings will be saved when power is off.

OVERVIEW



- ①. OUT1: Outlet 1#, Temperature Controller & Timer
- ②. OUT2: Outlet 2#, Temperature Controller & Timer
- ③. OUT3: Outlet 3#, Timer
- ④. P1: Probe for OUT1
- ⑤. P2: Probe for OUT2
- ⑥. HEATING/COOLING: Working Mode of OUT1/OUT2
- ⑦. : Working Status of OUTs
- ⑧. Current Time
- ⑨. OUT1 Current Temperature
- ⑩. OUT2 Current Temperature
- ⑪. AH: High Temperature Alarm
- ⑫. AL: Low Temperature Alarm
- ⑬. CA: Temperature Calibration
- ⑭. DP: Time of Compressor Delay Starting

SPECIFICATION

Power Requirement	100-240VAC
Load Capacity	100-240VAC 10A Per Outlet 1100W@110V, 2200W@220V
Temperature Control Range	-10°C ~ 120°C / 14 °F ~ 248 °F
Measuring Accuracy	± 1°C / ± 1 °F
Probe Sensor Type	NTC 3950, R25=10K
Probe Sensor Length	2m/6.56ft
Power Cable Length	1.4m/4.6ft
Measurement	105mm(L)X105mm(W)X32mm(H)
Operation Environment	Temperature: 0-50°C / 32-122 °F Relative Humidity: <85%

SETTING RANGE

Function	Setting range	Default
Temperature ON Value	-10°C ~ 120°C / 14 °F ~ 248 °F	28°C / 82 °F
Temperature OFF Value	-10°C ~ 120°C / 14 °F ~ 248 °F	30°C / 86 °F
AH high temp alarm	-10°C ~ 120°C / 14 °F ~ 248 °F	OFF
AL low temp alarm	-10°C ~ 120°C / 14 °F ~ 248 °F	OFF
CA calibration	-15°C ~ 15°C / -15 °F ~ 15 °F	0.0
DP compressor delay start	-10°C ~ 120°C / 14 °F ~ 248 °F	0

SET CURRENT TIME

Press and hold **CLOCK** until the current time flashes, press \odot or \ominus to adjust the hour, press **CLOCK** to set the minute and press \odot or \ominus to adjust it, then press **CLOCK** to save and exit.

CHANGE TEMPERAURE UNIT

Press and hold \odot and \ominus simultaneously for about 3s to switch between Fahrenheit and Celsius units.

SET OUT1/OUT2

1. Press **SET** until the LCD display \blacktriangleright , press \odot or \ominus to choose the **OUT1/OUT2**.
2. To set **OUT1**, press and hold **SET** for about 3s, the **ON** time will flash, press \odot or \ominus to adjust the hour, then press **SET** to set the minute and press \odot or \ominus to adjust it.
3. Press **SET** to set **OFF** time, press \odot or \ominus to adjust the hour, then press **SET** to set the minute and press \odot or \ominus to adjust it.
 - If you don't need a timer, press \odot or \ominus to adjust time to -- : --.
4. Press the **SET** to set the **ON** temperature value, press \odot or \ominus to adjust the value you desired.
5. Press **SET** to set the **OFF** temperature value and press \odot or \ominus to adjust it.



- To set **ON** value > **OFF** value, it will be in cooling mode, **COOLING** icon will be displayed under **OUT** icon on the left of the display.
 - To set **ON** value < **OFF** value, it will be in heating mode, **HEATING** icon will be displayed above **OUT** icon on the left of the display.
6. Press **SET** to set the **AH** if you need. The default value of **OFF** is permanently off.
 7. Press **SET** to set the **AL** if you need.
 8. Press **SET** to set the **CA** if you need.
 9. Press **SET** to set the **DP** if you set it **COOLING** mode.
 10. Press **SET** to the last value or press and hold the **SET** to save and exit.
 11. Set the **OUT2** according to steps 1~10.

SET OUT3

1. Press **SET** until the LCD display \blacktriangleright , press \odot or \ominus to choose the **OUT3**.
2. Press and hold **SET** for about 3s, the t_{ON} hour will flash, press \odot or \ominus to adjust it,
3. Press **SET** to set the t_{ON} minute and press \odot or \ominus to adjust it.
4. Press **SET** to set the t_{OFF} hour and press \odot or \ominus to adjust it.
5. Press **SET** to set the t_{OFF} minute and press \odot or \ominus to adjust it.
6. Press **SET** to set the second time period (t_{ON}^2 / t_{OFF}^2) if you need, and repeat steps 2 to 5 to set hour and minute.
 - If only one time period needs to be set, after setting the first time period, adjust t_{ON}^2 / t_{OFF}^2 to -- : --, you can long press **SET** to save and exit.

FUNCTION INTRODUCTION

Heating Mode

To set **ON** < **OFF**, the **OUT1 (OUT2)** will start to work when the current temperature is lower than the **ON** value, and won't stop working until the current temperature reaches the **OFF** value.

Cooling Mode

To set **ON** > **OFF**, the **OUT1 (OUT2)** will start to work when the current temperature is higher than the **ON** value, and won't stop working until the current temperature reaches the **OFF** value.

High/low temperature alarm

When current temperature \geq **AH** temperature, high temperature alarm will be triggered. When current temperature \leq **AL** temperature, low temperature alarm will be triggered. You can press any button to stop the alarm beep, or set **AH/AL** to **OFF** to permanently turn off the alarm.

Calibration (CA)

When the current temperature deviates from the actual temperature, it can be corrected with the temperature calibration function. Correct temperature = temperature before calibration + calibration value (**CA**), the calibration value can be positive, negative, or 0.

Time of Compressor Delay Starting (DP)

After power-on, in cooling mode, if the current temperature \geq **OFF** value, the cooling device will wait for a delay time (**DP**) before starting.

When the time interval between two cooling operations is greater than the delay time (**DP**), the cooling device will work immediately.

When the time interval between two cooling operations is less than the delay time (**DP**), the cooling device will not start until it reaches the delay time (**DP**).

When the cooling device stops instantaneously, the stop time will be recorded as the time comparison point for the next start.

RESTORE TO FACTORY SETTING

First unplug the controller to turn off the power, then press and hold **SET**, and then re-plug in the power again, the controller will restore to factory settings after a "beep".

WARRANTY

The DIGITEN products are guaranteed to the original owner for one year against defects in workmanship and materials.

If you encounter any problems while using our products, please feel free to contact us.

service@digit-en.com
www.digit-en.com/support

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