



DIGITEN TTC-1003 Temperature Controller with Timer User Manual

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DIGITEN TTC-1003 Temperature Controller with Timer

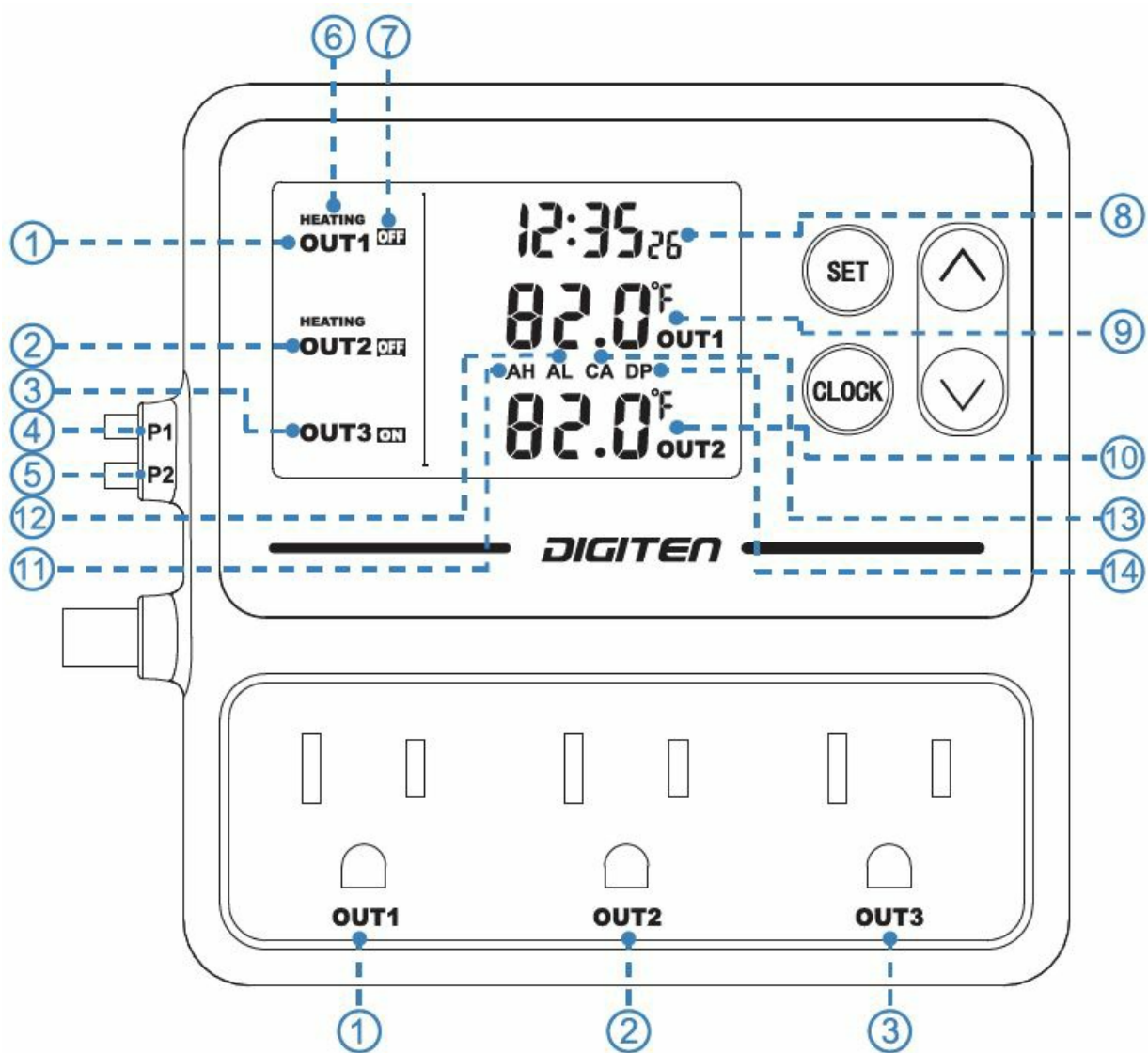


The thermostat with timer is specially designed for pet breeders. The large LCD display makes your settings or monitoring clear at a glance. Two sets of probes can control different pets respectively. The controller has three outlets, the first and second are temperature control and time control, the 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. **OFF/ON**: 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

SETTINGS

SET CURRENT TIME


















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

CHANGE TEMPERAURE UNIT















- Press and hold  and  simultaneously for about 3s to switch between Fahrenheit and Celsius units.

SET OUT 1/OUT 2

- Press SET until the LCD display , press  or  to choose the OUT1/OUT2.

2. To set OUT1, press and hold SET for about 3s, the ON time will flash, press  or  to adjust the hour, then press SET to set the minute and press  or  to adjust it.
3. Press SET to set OFF time, press  or  to adjust the hour, then press SET to set the minute and press  or  to adjust it.
 - If you don't need a timer, press  or  to adjust time to   .
4. Press the SET to set the ON temperature value, press  or  to adjust the value you desired.
5. Press SET to set the OFF temperature value and press  or  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 OUT 3

1. Press SET until the LCD display , press  or  to choose the OUT3.
2. Press and hold SET for about 3s, the jON hour will flash, press  or  to adjust it,
3. Press SET to set the 1 ON minute and press  or  to adjust it.
4. Press SET to set the 1 OFF hour and press  or  to adjust it.
5. Press SET to set the 1 OFF minute and press  or  to adjust it.
6. Press SET to set the second time period(2 ON /2 OFF) 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 2 ON/2 OFF 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 >- AH temperature, high temperature alarm will be triggered.
- When current temperature <- 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 ~ 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 AND WARRANTY

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”.

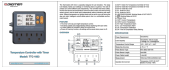
WARRANTY

- 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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Documents / Resources



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TTC-1003 Temperature Controller with Timer, TTC-1003, Temperature Controller with Timer, Controller with Timer

References

- [User Manual](#)