

DIGITEN THT103

DIGITEN THT103 Temperature and Humidity Controller User Manual

Model: THT103 | Brand: DIGITEN

PRODUCT OVERVIEW

The DIGITEN THT103 is a versatile 3-in-1 digital temperature and humidity controller designed for precise environmental management. It features three independent outlets for temperature regulation, humidity management, and a programmable timer. Ideal for applications such as reptile habitats, mushroom cultivation, home brewing, and greenhouses.

Key Features

- **Easy to Set and Program:** Simple 4-button design for effortless setup.
- **Three-in-One Functionality:** Connects to three devices simultaneously for temperature, humidity, and timing control.
- **High Accuracy:** Large LCD screen with precise temperature and humidity sensor, displaying readings in both Celsius and Fahrenheit.
- **Flexible Regulation:** Supports various combinations like heating/humidifying, heating/dehumidification, cooling/humidifying, and cooling/dehumidification.
- **Extensive Application:** Suitable for greenhouses, reptile enclosures, incubators, vivariums, and more.



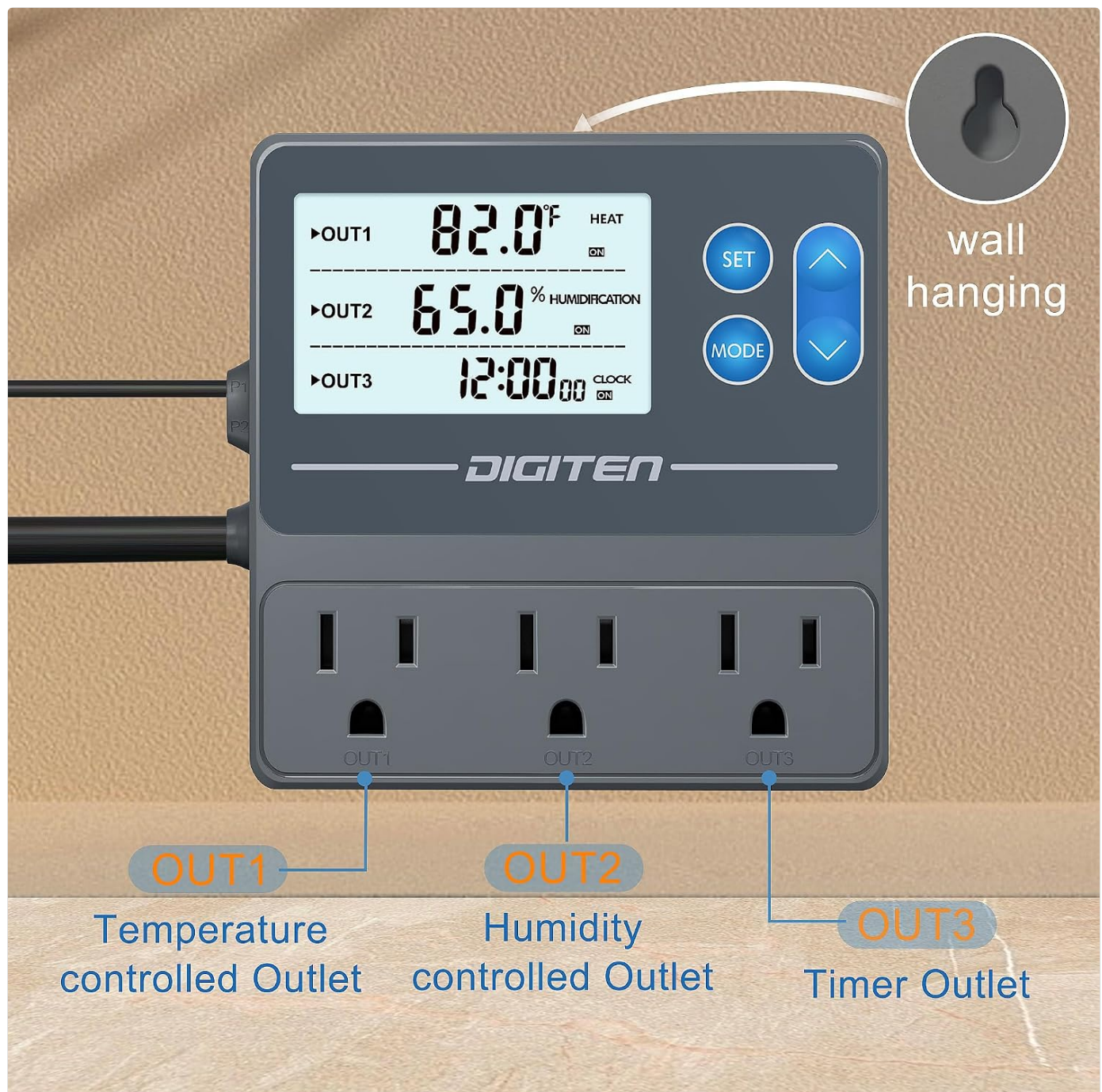
Front view of the DIGITEN THT103 controller, showing the digital display, control buttons, three power outlets, and the attached sensor probe.

SETUP GUIDE

Follow these steps to set up your DIGITEN THT103 controller.

Initial Connection

1. Connect the temperature and humidity sensor probe to the designated port on the side of the controller.
2. Plug the controller into a standard power outlet. The LCD screen will illuminate.
3. Identify the three outlets: OUT1 (Temperature controlled), OUT2 (Humidity controlled), and OUT3 (Timer controlled).



An image highlighting the three distinct power outlets on the DIGITEN THT103 controller, labeled OUT1 for temperature, OUT2 for humidity, and OUT3 for timer.

Changing Temperature Unit (°C/°F)

To switch between Fahrenheit (°F) and Celsius (°C), press and hold the UP and DOWN buttons simultaneously for approximately 3 seconds.

Video demonstrating how to switch the temperature display unit between Celsius and Fahrenheit on the DIGITEN THT103 controller by holding the UP and DOWN buttons.

OPERATING INSTRUCTIONS

The THT103 controller allows for precise control of temperature, humidity, and timing for connected devices.

Setting Temperature (OUT1)

1. Press the **SET** button to select OUT1.
2. Long press the **SET** button for 3 seconds until "SET TO" appears on the LCD screen.
3. Press the **MODE** button to switch between HEAT and COOL modes.
4. Use the UP and DOWN arrows to adjust the desired temperature.
5. Long press the **SET** button again to save and exit.

Video tutorial on setting the temperature for OUT1, including switching between heating and cooling modes and saving settings.

Setting Humidity (OUT2)

1. Press the **SET** button to select OUT2.
2. Long press the **SET** button for 3 seconds until "SET TO" appears.
3. Press the **MODE** button to switch between HUMIDIFICATION and DEHUMIDIFICATION modes.
4. Short press the **SET** button to adjust the humidity difference (default 5%).
5. Use the UP and DOWN arrows to change the desired humidity value.
6. Long press the **SET** button to save and exit.

Video guide for setting the humidity level for OUT2, demonstrating humidification and dehumidification modes, and adjusting the humidity difference.

Setting Timer (OUT3)

1. Press the **SET** button to select OUT3.
2. Long press the **SET** button for 3 seconds until the hour flashes.
3. Press the **MODE** button to switch to CLOCK or TIMER mode.
4. Use the UP and DOWN arrows to set the time (for CLOCK) or timer program (for TIMER).
5. Long press the **SET** button to save and exit.

Video instructions on how to set the clock and timer functions for OUT3, including setting specific on/off times for connected devices.

MAINTENANCE

To ensure optimal performance and longevity of your DIGITEN THT103 controller, regular maintenance is recommended.

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure the sensor probe is clean and not obstructed, as this can affect accuracy.
- Avoid exposing the controller to extreme temperatures or direct moisture.
- Periodically check all cable connections to ensure they are secure.

DIGITEN THT103

Temperature and Humidity Controller with Timer



Large
Screen



Compressor
Delay
Protection



Memory
function



°C / °F
Switchable



Plug
and Play



Three-in-one
Use

The DIGITEN THT103 controller mounted on a wall next to a reptile terrarium, demonstrating its use in a typical setup with a humidifier and heat lamp.

TROUBLESHOOTING

If you encounter issues with your DIGITEN THT103 controller, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display not turning on	No power	Check power connection, ensure outlet is functional.
Inaccurate readings	Dirty or damaged sensor	Clean the sensor probe. If damaged, replace the probe.

Problem	Possible Cause	Solution
Outlet not activating	Incorrect settings or device malfunction	Verify temperature/humidity/timer settings. Test the connected device in another outlet.
Cannot change settings	Buttons unresponsive	Ensure you are long-pressing the SET button for 3 seconds to enter setting mode.

For further assistance, please contact DIGITEN customer support.

SPECIFICATIONS

Feature	Detail
Manufacturer	DIGITEN
Model Number	THT103
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 (Temp)	±0.4°C / ±0.7°F
Measuring Accuracy (RH)	±3%
Probe Sensor Type	Digital Signal Output, I2C Interface
Probe Cable Length	1.4m / 55.12in
Measurement Cable Length	2m / 78.74in
Operation Environment	Temperature: 0-50°C / 32-122°F, Relative Humidity: <85%
Display Type	LCD
Material	Plastic
Color	Gray
Item Weight	1.01 pounds
Package Dimensions	6.46 x 6.26 x 2.13 inches

WARRANTY AND SUPPORT

DIGITEN provides a one-year warranty for this product against defects in materials and workmanship. For warranty claims, technical support, or any inquiries, please contact DIGITEN customer service through the official channels.

For more information, visit the official [DIGITEN Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question