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MOES BHT-12

MOES BHT-12 Smart Plug-in Thermostat User Manual

Model: BHT-12

1. Introduction

The MOES BHT-12 Smart Plug-in Thermostat is designed for precise temperature control in various environments. It is compatible with electric heating radiators, electric cooling systems, and other temperature-controlled equipment. This device is suitable for smart homes, commercial spaces, and industrial applications. Before use, ensure compatibility with your specific temperature control equipment.

This thermostat offers both heating and cooling modes, dual sensor options, and smart control features via a mobile application and voice assistants.

2. Safety Information

- Read all instructions carefully before installation and operation.
- Ensure the power supply is disconnected before plugging in or unplugging any appliance.
- Do not exceed the maximum load rating of the thermostat.
- Keep the device away from water and high humidity environments.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- This device is for indoor use only.

3. Product Overview and Features

The BHT-12 thermostat combines functionality with a user-friendly design.

- **Compact Design:** Small and flexible, designed for easy integration into various spaces.
- **Classic Aesthetics:** Available in classic colors to complement diverse decor styles.
- **Ergonomic Feel:** Features a curved body and chamfered transitions for comfortable handling.
- **Touch Buttons:** Responsive touch controls for reliable operation.
- **Dual Mode Operation:** Supports both heating and cooling control from a single device.
- **Dual Sensors:** Includes a default built-in sensor and supports an optional external sensor for precise temperature monitoring.
- **Heating Indication:** Two indicator lights clearly show the working status.
- **Temperature Units:** Switchable between Celsius (°C) and Fahrenheit (°F).

- **APP Control:** Compatible with iOS/Android systems for real-time temperature updates, local weather data, and smart scene creation.
- **Voice Control:** Integrates with Tmall Genie, Alexa, Google Assistant, Xiaodu, and Yandex for hands-free operation.
- **Programmable Schedule:** Features a weekly programmable timer function for energy and cost savings.
- **ECO Mode:** An energy-saving mode for optimized power consumption.
- **Plug and Play:** Simple setup for immediate use.

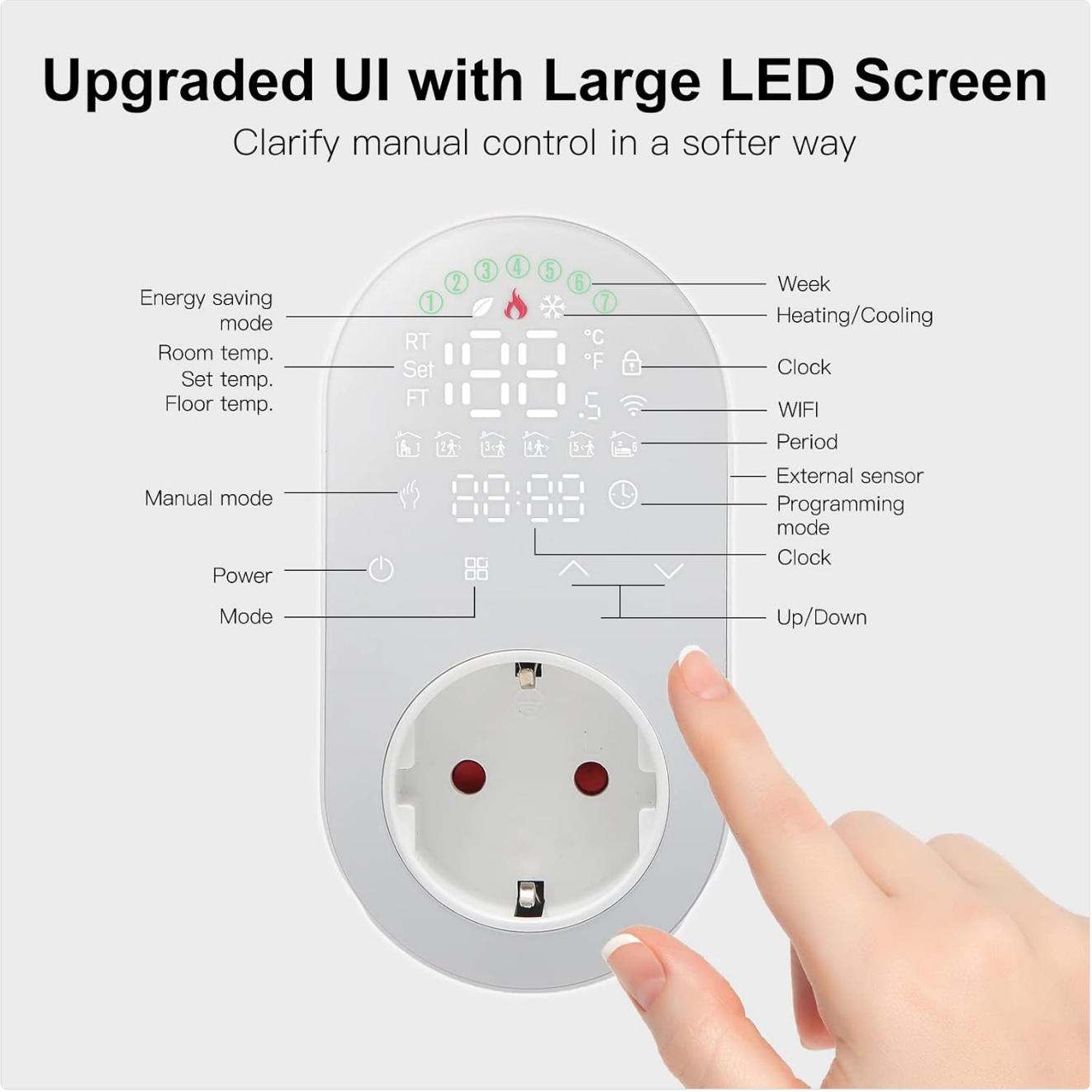


Figure 3.1: Upgraded UI with Large LED Screen. This image displays the thermostat's LED screen, highlighting various indicators such as energy saving mode, room temperature, set temperature, floor temperature, manual mode, power, mode, week, heating/cooling, clock, WiFi, period, external sensor, programming mode, and up/down buttons.

4. Setup and Installation

The BHT-12 thermostat is designed for simple 'Plug and Play' installation.

1. **Unpack:** Carefully remove the thermostat from its packaging.

2. **Plug In:** Insert the thermostat into a standard wall outlet.
3. **Connect Appliance:** Plug your heating or cooling appliance (e.g., portable AC, space heater, fan) into the outlet on the front of the thermostat.
4. **Power On:** Ensure the thermostat and the connected appliance are powered on.
5. **Initial Setup:** The device will power on and display the current room temperature.



Figure 4.1: Plug and Play Setup. This image illustrates the simple process of plugging the thermostat into a wall outlet and then plugging a heating appliance into the thermostat, demonstrating how to control room temperature via the MOES APP.

5. Operating Instructions

5.1 Manual Button Control

The thermostat can be operated directly using its touch buttons.

- **Power Button:** Press to turn the device on or off.
- **Mode Button:** Cycle through heating and cooling modes.

- **Up/Down Buttons:** Adjust the desired temperature setting.
- **Indicator Lights:** Observe the two working indicator lights to confirm the device's operational status.

5.2 APP Control and Smart Features

For advanced control and smart features, download the MOES APP (compatible with iOS and Android).

1. **Download APP:** Search for 'MOES' in your device's app store and install.
2. **Pair Device:** Follow the in-app instructions to connect your BHT-12 thermostat to your home Wi-Fi network.
3. **Real-time Monitoring:** View current temperature and humidity, and PM2.5 data for your local area.
4. **Temperature Adjustment:** Set desired temperatures remotely.
5. **Mode Selection:** Choose between Auto mode, Manual mode, TempHold, or Holiday mode via the APP.
6. **Weekly Programming:** Create and manage energy-saving schedules for different periods of the week.
7. **Smart Scenes:** Create intelligent automation scenarios based on temperature, time, or other smart home devices.
8. **Voice Control Integration:** Link the MOES APP with Alexa, Google Assistant, or other supported voice assistants for voice commands.

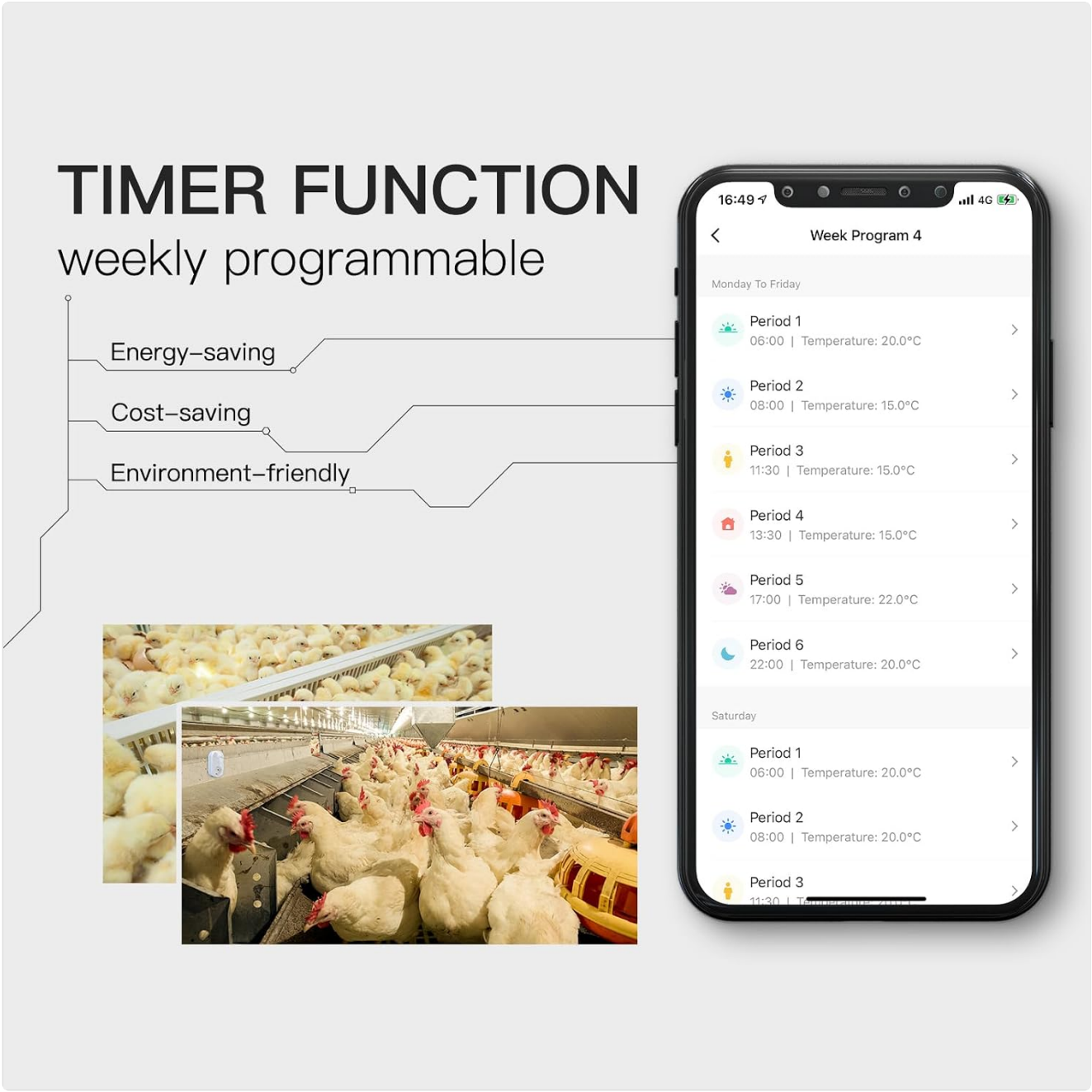


Figure 5.1: Timer Function. This image shows the MOES APP interface for setting a weekly programmable schedule, detailing different periods and their corresponding temperature settings for energy and cost savings.



Figure 5.2: Mode Selection in APP. This image illustrates the various operating modes available through the MOES APP, including Auto, Manual, TempHold, and Holiday modes, with visual examples of their applications.

6. Maintenance

To ensure optimal performance and longevity of your MOES BHT-12 thermostat, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the surface or internal components.
- **Avoid Obstructions:** Ensure the thermostat's sensors are not covered or obstructed, as this can affect temperature readings.
- **Storage:** If storing the device for an extended period, unplug it from the wall outlet and store it in a cool, dry place.

7. Troubleshooting

If you encounter issues with your BHT-12 thermostat, refer to the following common troubleshooting steps:

- **Device Not Powering On:**
  - Check if the thermostat is securely plugged into a working wall outlet.
  - Verify the wall outlet has power by testing it with another appliance.
- **Appliance Not Responding:**
  - Ensure the appliance is correctly plugged into the thermostat's outlet.
  - Check if the appliance itself is powered on and functioning independently.
  - Verify the thermostat is in the correct operating mode (heating/cooling) and the set temperature is appropriate.
- **Inaccurate Temperature Reading:**
  - Ensure the thermostat's built-in sensor is not covered or exposed to direct sunlight, drafts, or heat sources.
  - If using an external sensor, ensure it is properly connected and positioned.
- **Wi-Fi Connectivity Issues:**
  - Ensure your Wi-Fi network is active and the signal strength is adequate where the thermostat is located.
  - Restart your Wi-Fi router.
  - Reset the thermostat's Wi-Fi connection (refer to APP instructions for specific steps).
  - Confirm you are connecting to a 2.4GHz Wi-Fi network, as 5GHz networks may not be supported.
- **APP Not Responding:**
  - Close and reopen the MOES APP.
  - Check for APP updates in your device's app store.
  - Ensure your smartphone has a stable internet connection.

If these steps do not resolve the issue, please contact MOES customer support for further assistance.

8. Specifications

Feature	Description
Brand	MOES (Generic)
Model Name	BHT-12 Smart Thermostat
Product Dimensions	1.38"D x 2.44"W x 4.72"H (3.5cm D x 6.2cm W x 12cm H)
Controller Type	Manual Button Control, App, Touch, Voice
Special Features	Portable, Smart, Temperature Control, ECO Mode, Programmable Schedule
Color	Black (variant)

Specific Uses	Humidifier, Dehumidifier, Refrigerator, Electric Baseboard Heater, Boiler, Heat Pump, Air Conditioner, Furnace, Space Heater, Portable Air Conditioner, Fan, Greenhouse, Reptile Breeding, Pet Feeding, Wine Cellar, Swamp Cooler, Evaporative Cooler, Electric Fireplace Heater, Garage, RV
Temperature Control Type	Manual, App
Included Components	1 x Plug-in heating and cooling thermostat
Item Weight	0.8 Pounds (12.8 ounces)
Voltage	125 Volts
Material	Metal
Display Type	LED
Wattage	125 watts



Figure 8.1: Wider Compatibility. This image illustrates the broad range of applications for the MOES BHT-12 thermostat, including

breeding aquatics, hatching, feeding, and warehousing, demonstrating its versatility.



Figure 8.2: Wider Compatibility with Heaters. This image shows the thermostat's compatibility with various electric heaters such as bar (convection) heaters, column (oil) heaters, wall heaters, floor heating film, floor heating foil, floor heating cable mat, fan heaters, window air conditioners, and ceiling heaters.

9. Warranty and Support

MOES products are designed for reliability and performance. For warranty information, please refer to the documentation provided with your purchase or visit the official MOES website.

For technical support, troubleshooting assistance, or any questions regarding your BHT-12 Smart Plug-in Thermostat, please contact MOES customer service through their official channels. Have your product model number (BHT-12) and purchase details ready when contacting support.

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