Etherma eTOUCH-PRO-1-W

ETHERMA Smart-Thermostat eTOUCH-PRO-1-W User Manual

Your guide to intelligent climate control.

1. INTRODUCTION

The ETHERMA eTOUCH PRO Smart-Thermostat is an advanced climate control device designed for optimal comfort and energy efficiency. It features Wi-Fi connectivity for remote operation via iOS or Android devices, a self-learning mode, and a clear 1.8-inch TFT color display with capacitive touch buttons. This manual provides comprehensive instructions for installation, operation, and maintenance of your thermostat.

Figure 1: ETHERMA eTOUCH PRO Smart-Thermostat. The display shows the current temperature of 22.5°C, time 12:00, home icon, and Wi-Fi signal strength. Below the main temperature, it shows "ETHERMA" and "22.5 °C" again, with three capacitive touch buttons at the bottom for navigation.

2. KEY FEATURES

- **Wi-Fi Connectivity:** Seamless integration into a 2.4 GHz WLAN for remote control via iOS or Android devices.

- **Intuitive Display:** Equipped with a 1.8-inch TFT color display and three capacitive touch buttons for easy local operation.

- **Multiple Operating Modes:** Select from five modes including Home, Away, Weekly Program, Frost Protection, or Power Control to optimize comfort and energy costs.

- **Self-Learning Mode:** Features a self-learning algorithm for intelligent temperature regulation.

- **Adjustable Heating Behavior:** Customizable heating behavior to protect various floor coverings.

- **Temperature Drop Detection:** Automatically detects sudden temperature drops, indicating an open window, to

save energy.

- **Broad Sensor Compatibility:** Supports a wide range of commercially available temperature sensors, facilitating easy replacement of older thermostats.
- **Eco-Design Compliant:** Designed in accordance with Eco-design guidelines for environmental sustainability.

3. SPECIFICATIONS

Feature	Detail
Brand	Etherma
Model Number	324600
Product Dimensions	1 x 1 x 1 cm
Voltage	24 Volt (Control), 230 V (Max. Switching Voltage)
Controller Type	iOS, Android (App Control)
Control Method	App, Touchscreen
Regulation Type	On/Off
Mounting	On flush-mounted switch box
Measurement Range	5 - 40 °C
External Sensor	Yes
Display	1.8" TFT Color Display
Clock Type	Weekly clock, digital
Max. Switching Current	16 A
Protection Class	IP21
Color	White (RAL 9003)

4. SETUP AND INSTALLATION

Installation of the ETHERMA eTOUCH PRO thermostat should be performed by a qualified electrician to ensure safety and proper functionality. The device is designed for mounting on a standard flush-mounted switch box.

4.1 Wiring

1. Ensure the main power supply is disconnected before beginning any wiring.
2. Connect the 2-wire system to the designated terminals.
3. Connect the external temperature sensor if applicable. The thermostat supports a wide range of common sensors.
4. Refer to the detailed wiring diagram provided in the product packaging for specific connections.

4.2 Initial Power-On and Wi-Fi Setup

1. After wiring, restore power to the circuit. The thermostat display will illuminate.

2. Follow the on-screen prompts for initial setup, including language selection and time/date settings.

3. To connect to Wi-Fi, navigate to the network settings menu on the thermostat.

4. Ensure your Wi-Fi network is a 2.4 GHz network. The thermostat does not support 5 GHz networks.

5. Download the ETHERMA app from the iOS App Store or Google Play Store on your smartphone or tablet.

6. Follow the in-app instructions to pair your thermostat with the app and connect it to your home Wi-Fi network.

5. OPERATING INSTRUCTIONS

The eTOUCH PRO thermostat offers both local control via its display and remote control via the dedicated mobile application.

5.1 Local Operation (Touchscreen)

1. The 1.8-inch TFT color display shows current temperature, time, and operating status.

2. Use the three capacitive touch buttons located below the display to navigate menus and adjust settings.

3. **Up/Down Arrows:** Adjust temperature setpoints or navigate through menu options.

4. **Center Button:** Confirm selections or enter sub-menus.

5. Press and hold the center button to access the main menu or return to the previous screen.

5.2 Operating Modes

The thermostat supports five primary operating modes:

- **Home Mode:** Maintains a comfortable temperature for occupied periods.

- **Away Mode:** Sets a lower, energy-saving temperature when the property is unoccupied.

- **Weekly Program Mode:** Allows for custom temperature schedules based on days of the week. This mode optimizes energy consumption by adjusting temperatures according to your routine.

- **Frost Protection Mode:** Prevents temperatures from dropping below a critical point (e.g., 5°C) to protect pipes and property from freezing.

- **Power Control Mode:** Regulates heating based on power output rather than temperature, useful for specific heating systems.

5.3 App Control (Remote Operation)

1. Open the ETHERMA app on your iOS or Android device.

2. Ensure your device is connected to the internet.

3. From the app, you can:
   - View current temperature and status.
   - Adjust temperature setpoints.
   - Switch between operating modes.
   - Create and modify weekly heating schedules.
   - Monitor energy consumption (if supported by your system).
   - Receive alerts and notifications.

6. Maintenance

The ETHERMA eTOUCH PRO Smart-Thermostat requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Gently wipe the display and casing with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the surface and internal components.
- **Software Updates:** Periodically check the ETHERMA app for available firmware updates for your thermostat. Keeping the firmware updated ensures you have the latest features and bug fixes.
- **Sensor Check:** If you suspect inaccurate temperature readings, ensure the external sensor (if used) is clean and unobstructed.
- **Power Cycle:** In case of minor operational issues, a brief power cycle (turning off the circuit breaker for a few minutes and then turning it back on) can often resolve the problem.

7. Troubleshooting

This section addresses common issues you might encounter with your ETHERMA eTOUCH PRO Smart-Thermostat.

Problem	Possible Cause	Solution
Thermostat display is blank.	No power supply.	Check the circuit breaker. Ensure proper wiring connections.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5 GHz network; weak signal.	Verify password. Ensure your router is broadcasting a 2.4 GHz network. Move router closer or use a Wi-Fi extender.
App cannot find the thermostat.	Thermostat not in pairing mode; network issue.	Ensure thermostat is in Wi-Fi pairing mode. Check home Wi-Fi connection. Restart both thermostat and app.
Temperature reading seems inaccurate.	Sensor obstruction; sensor malfunction.	Ensure the sensor (internal or external) is not covered or exposed to drafts/direct sunlight. If issue persists, contact support.
Heating/Cooling not activating.	Incorrect mode; wiring issue; system malfunction.	Check the selected operating mode and setpoint. Verify wiring. Consult a qualified technician if the issue persists.

8. Warranty and Support

For warranty information, please refer to the warranty card included with your product packaging or visit the official Etherma website. Keep your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or inquiries about spare parts, please contact Etherma customer service:

- **Website:** www.etherma.com (Check for local contact details)
- **Email:** Refer to the website for specific support email addresses.
- **Phone:** Refer to the website for specific support phone numbers.

When contacting support, please have your product model number (eTOUCH-PRO-1-W) and serial number (if applicable) ready.

Documents - Etherma – eTOUCH-PRO-1-W

[pdf] Datasheet

41236 The ETHERMA Smart thermostat with Wi Fi and app controller 5 40°C 16A White 9003 09120105413923 Product Joffrey Eekers In addition to local operation the smart eTouch PRO self learning mode can also be integrated into 2 4 GHz WiFi operated from an iOS or Android device 9120015720005 ed5 20240227141837546 2075395681 cdn techniekwebshop nl assets ProductDocument 2BA |||

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