Decdeal GC BHT-002

Decdeal GC BHT-002 WiFi Smart Thermostat User Manual

For Gas and Water Boiler Heating Systems

1. Introduction

Thank you for choosing the Decdeal GC BHT-002 WiFi Smart Thermostat. This device is designed to provide precise temperature control for your gas or water boiler heating system, enhancing comfort and energy efficiency in your home. With its advanced features, including remote control via a smartphone application and voice control compatibility with Amazon Alexa and Google Home, managing your home's climate has never been easier.
This manual will guide you through the installation, setup, operation, and troubleshooting of your new thermostat. Please read it carefully before installation and use to ensure optimal performance and safety.

2. Product Overview

The Decdeal GC BHT-002 thermostat features a clear, backlit touch screen display for easy interaction and monitoring of your heating system. Its sleek design integrates seamlessly into any modern home environment.



Figure 2.1: Front view of the Decdeal GC BHT-002 Smart Thermostat, displaying current temperature, time, and WiFi status.

Key features include:

- High-precision temperature control (0.5°C accuracy).
- WiFi connectivity for remote control via smartphone app.
- Voice control compatibility with Amazon Alexa and Google Home.
- Six programmable periods for customized heating schedules.
- Smart scene customization based on local weather data.
- Data memory retention during power outages.

3. Setup and Installation

3.1 Safety Precautions

- Always turn off power to the heating system at the circuit breaker before beginning installation.
- Installation should be performed by a qualified electrician if you are unsure about wiring procedures.
- Ensure all wiring complies with local electrical codes.

3.2 Mounting the Thermostat

The thermostat is designed for standard wall mounting. To access the wiring terminals, gently separate the front display

unit from the back plate. Some users have noted that the front face slides downwards after slightly inserting a card-like object into the lower rear part, rather than rotating as some older instructions might suggest. Exercise caution to avoid damage.

3.3 Wiring Instructions

Connect the thermostat to your boiler and power supply according to the diagram below. Ensure all connections are secure and do not over-tighten the terminals to prevent damage.

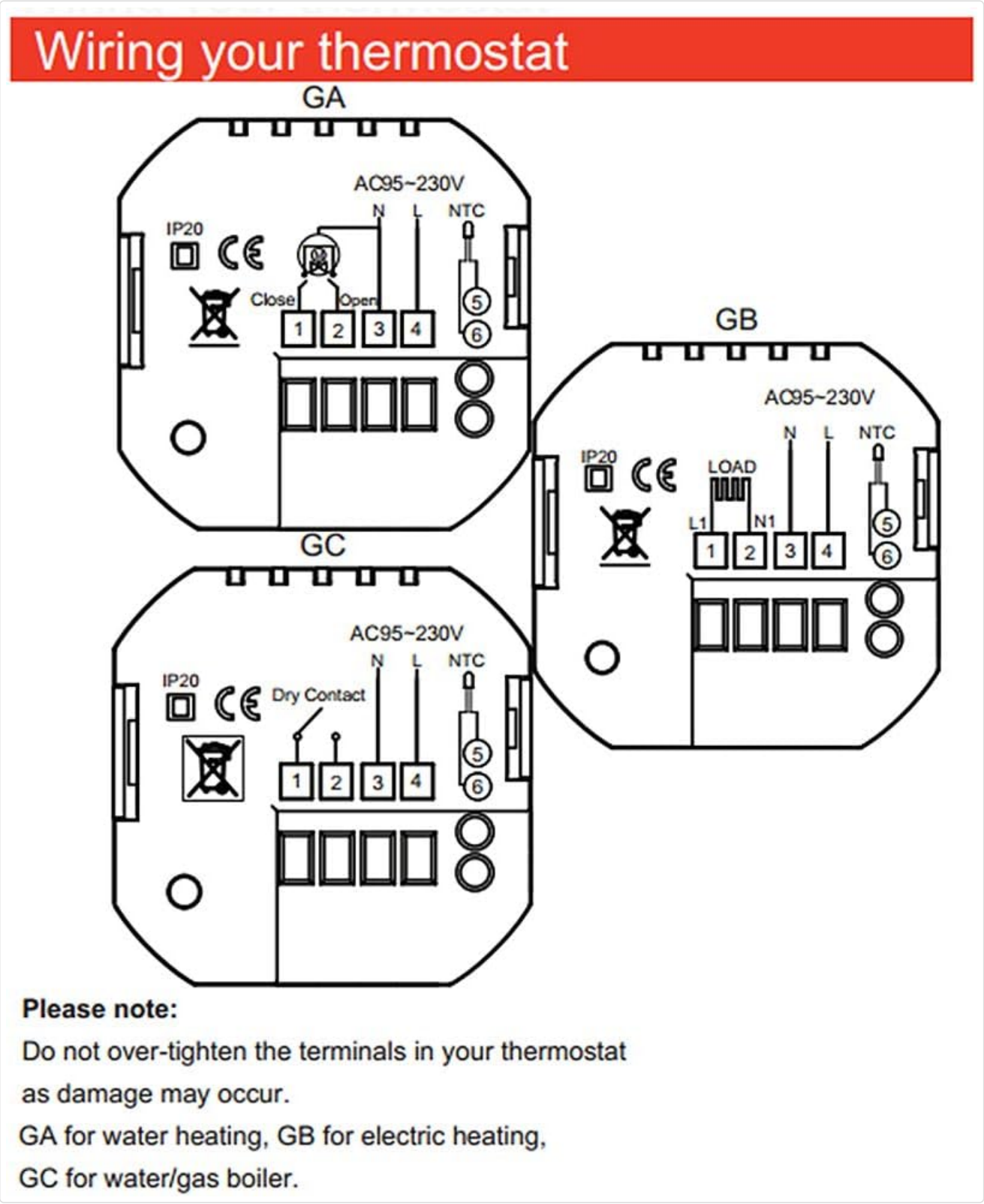


Figure 3.1: Detailed wiring diagram for the Decdeal GC BHT-002 thermostat.

- **Terminals 1 & 2:** Connect to your gas or water boiler. These are dry contact terminals.

- **Terminals 3 & 4 (L & N):** Connect to AC 95-240V power supply. 'L' is Live, 'N' is Neutral.
- **Terminals 5 & 6 (NTC):** Connect to an optional external temperature sensor (if applicable).

Important Note:



Figure 3.2: General wiring configurations for different heating systems. Ensure you use the 'GC' configuration for gas/water boilers.

The model GC is specifically designed for water/gas boilers. Ensure your wiring matches the 'GC' diagram if you have a gas or water boiler. Do not over-tighten the terminals in your thermostat as damage may occur.

4. Operating Instructions

4.1 Basic Operation

Once powered on, the thermostat display will show the current room temperature, set temperature, time, and operating mode. Use the touch buttons on the display to adjust settings.

- **Power Button:** Turns the thermostat on/off.
- **Mode Button:** Cycles through different operating modes (e.g., Manual, Auto/Program).
- **Up/Down Arrows:** Adjust the set temperature or navigate menu options.
- **Clock Icon:** Access time and program settings.

4.2 App Control (WiFi Connectivity)

The Decdeal GC BHT-002 thermostat can be controlled remotely via a dedicated smartphone application. This allows you to adjust settings from anywhere, ensuring your home is comfortable when you arrive.

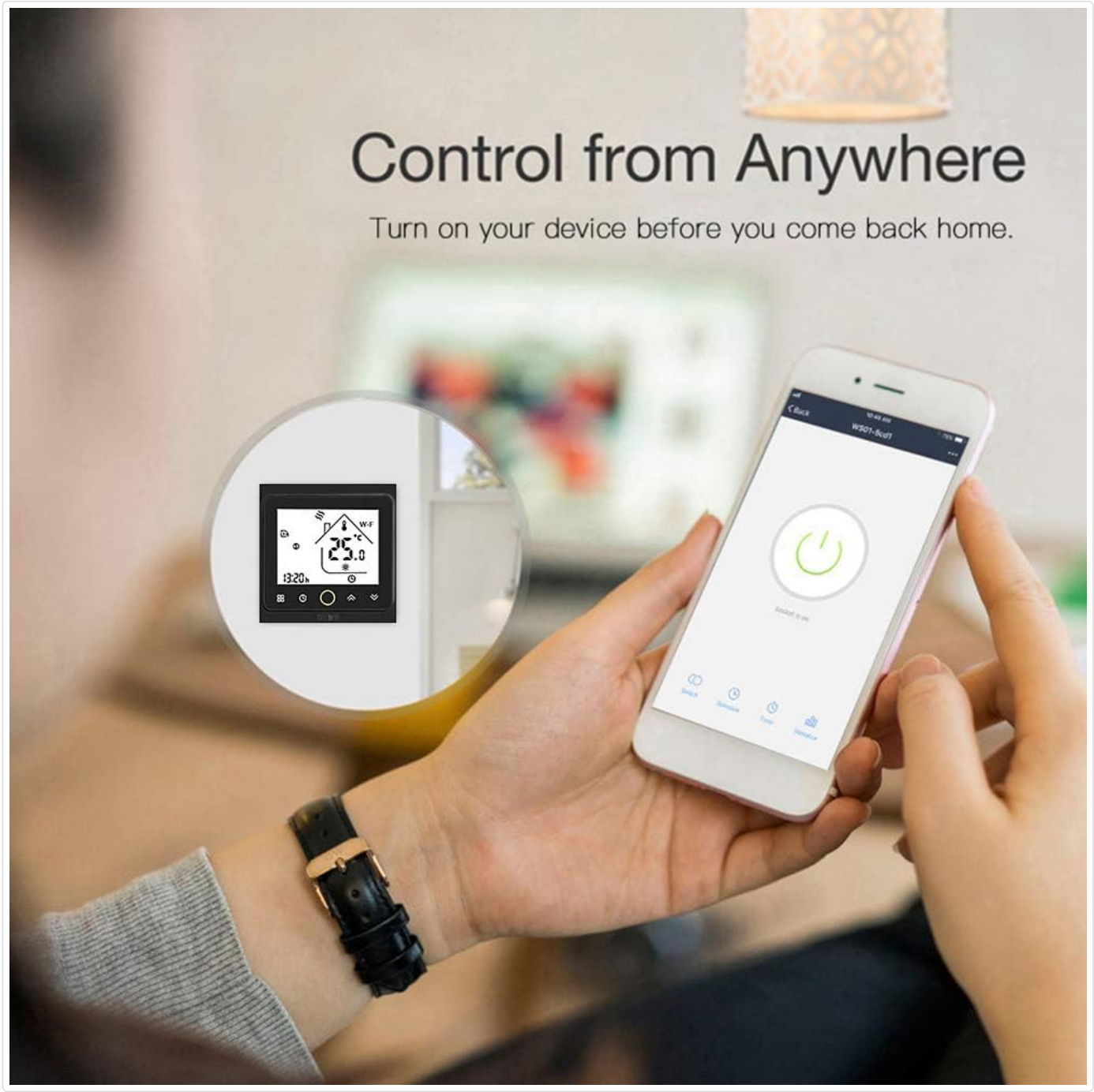


Figure 4.1: Remote control of the thermostat via smartphone app.

1. Download the appropriate app (e.g., "Smart Life" or "Tuya Smart") from your smartphone's app store.
2. Register an account and log in.
3. Add your device: Follow the in-app instructions to connect your thermostat to your home WiFi network. This typically involves putting the thermostat into pairing mode (often by holding a specific button) and entering your WiFi credentials in the app.

4. Once connected, you can control the temperature, set schedules, and monitor your heating system from your phone.



Figure 4.2: Example of app control interface for intelligent temperature management.

4.3 Voice Control (Alexa & Google Home)

The thermostat is compatible with Amazon Alexa and Google Home, allowing for convenient voice commands to adjust your heating.



Figure 4.3: Voice control compatibility with popular smart home assistants.

1. Ensure your thermostat is successfully connected to the smartphone app (Section 4.2).
2. Open the Amazon Alexa or Google Home app.
3. Enable the skill/service for your thermostat's app (e.g., "Smart Life" or "Tuya Smart").
4. Link your account and discover devices.
5. You can now use voice commands such as:
    - "Alexa, set [Thermostat Name] to 22 degrees."
    - "Hey Google, what's the temperature in [Thermostat Name]?"

4.4 Programmable Schedules

The thermostat supports six programmable periods per day, allowing you to customize your heating schedule for comfort and energy savings. These schedules can typically be set via the thermostat's interface or the smartphone app.

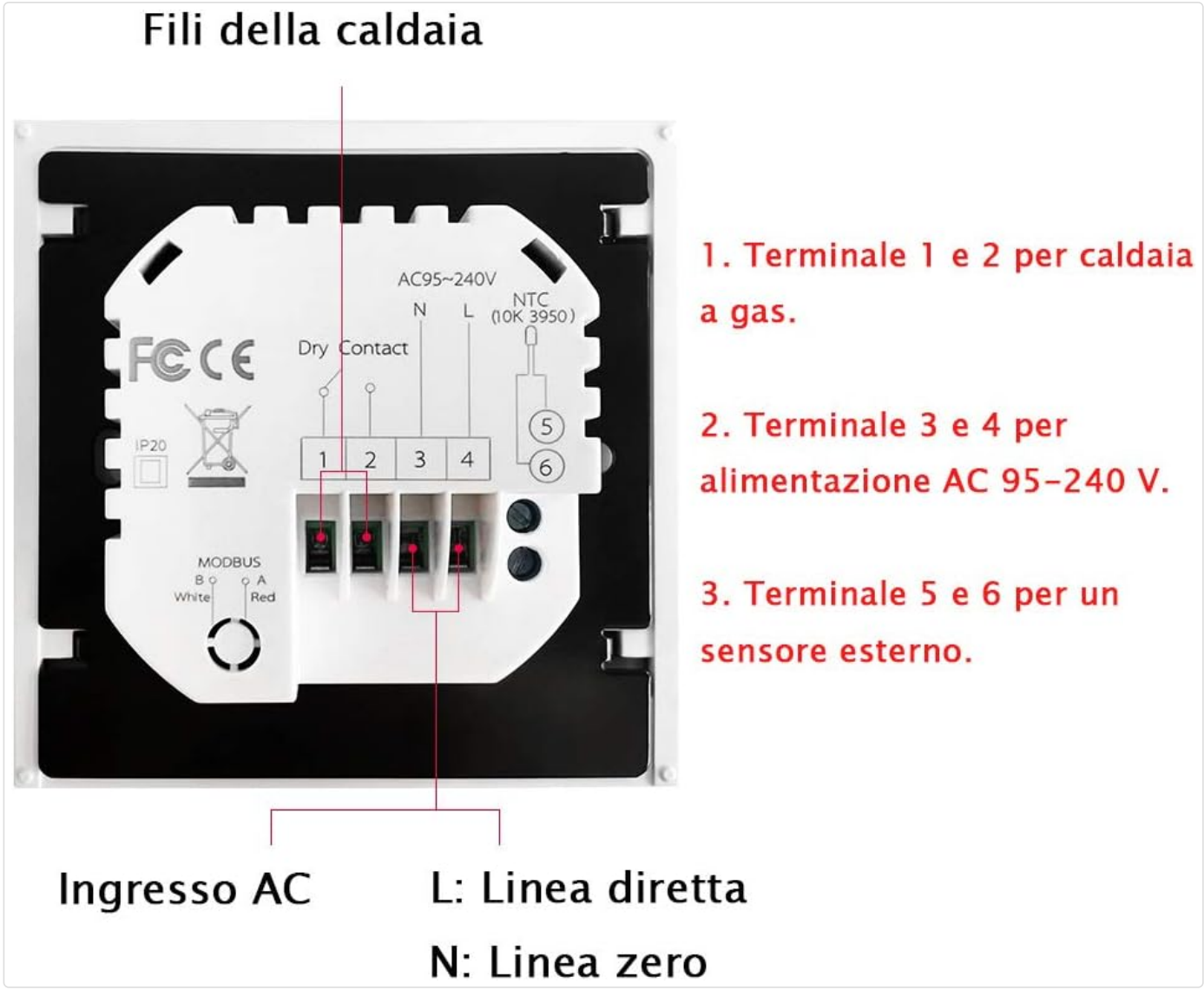


Figure 4.4: Example of customized room temperature settings for different areas of the home.

Consult the app's help section or the thermostat's on-screen menu for detailed instructions on setting up your personalized heating programs.

5. Maintenance

Your Decdeal GC BHT-002 thermostat requires minimal maintenance. To ensure its longevity and accurate operation:

- **Cleaning:** Gently wipe the screen and casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the unit.
- **Avoid Obstructions:** Ensure the thermostat is not covered by curtains, furniture, or other objects that could obstruct airflow and affect temperature readings.
- **Power Cycling:** If the device becomes unresponsive, try turning off the power at the circuit breaker for a few minutes, then restore power.

6. Troubleshooting

If you encounter issues with your Decdeal GC BHT-002 thermostat, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat does not power on.	No power supply or incorrect wiring.	Check the circuit breaker. Verify wiring connections (Terminals 3 & 4) according to Section 3.3.
Cannot connect to the gas/water boiler.	Incorrect wiring to the boiler or boiler issue.	Ensure Terminals 1 & 2 are correctly connected to the boiler. Consult your boiler's manual. Confirm the thermostat model (GC) is compatible with your boiler type.
Difficulty with WiFi pairing.	Incorrect WiFi password, weak signal, or incorrect pairing mode.	Double-check your WiFi password. Ensure the thermostat is close enough to your router. Follow the app's pairing instructions carefully, ensuring the thermostat is in the correct pairing mode (e.g., flashing indicator). Ensure your WiFi is 2.4GHz.
Temperature reading seems inaccurate.	Thermostat location, external factors, or minor calibration variance.	Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources. While the device has 0.5°C precision, minor variances can occur. If using an external sensor, ensure it is correctly installed.
App control is not working.	Thermostat offline, app issues, or internet connectivity problems.	Check if the thermostat's WiFi indicator is active. Ensure your phone has internet access. Try restarting the app or your phone. Verify the app is up to date.
Voice control (Alexa/Google Home) not responding.	Skill not enabled, device not discovered, or incorrect commands.	Ensure the thermostat is connected to the app. Verify the correct skill/service is enabled in your Alexa/Google Home app and devices are discovered. Use the exact commands specified in Section 4.3.

7. Specifications

Below are the technical specifications for the Decdeal GC BHT-002 WiFi Smart Thermostat:

SPECIFICATION

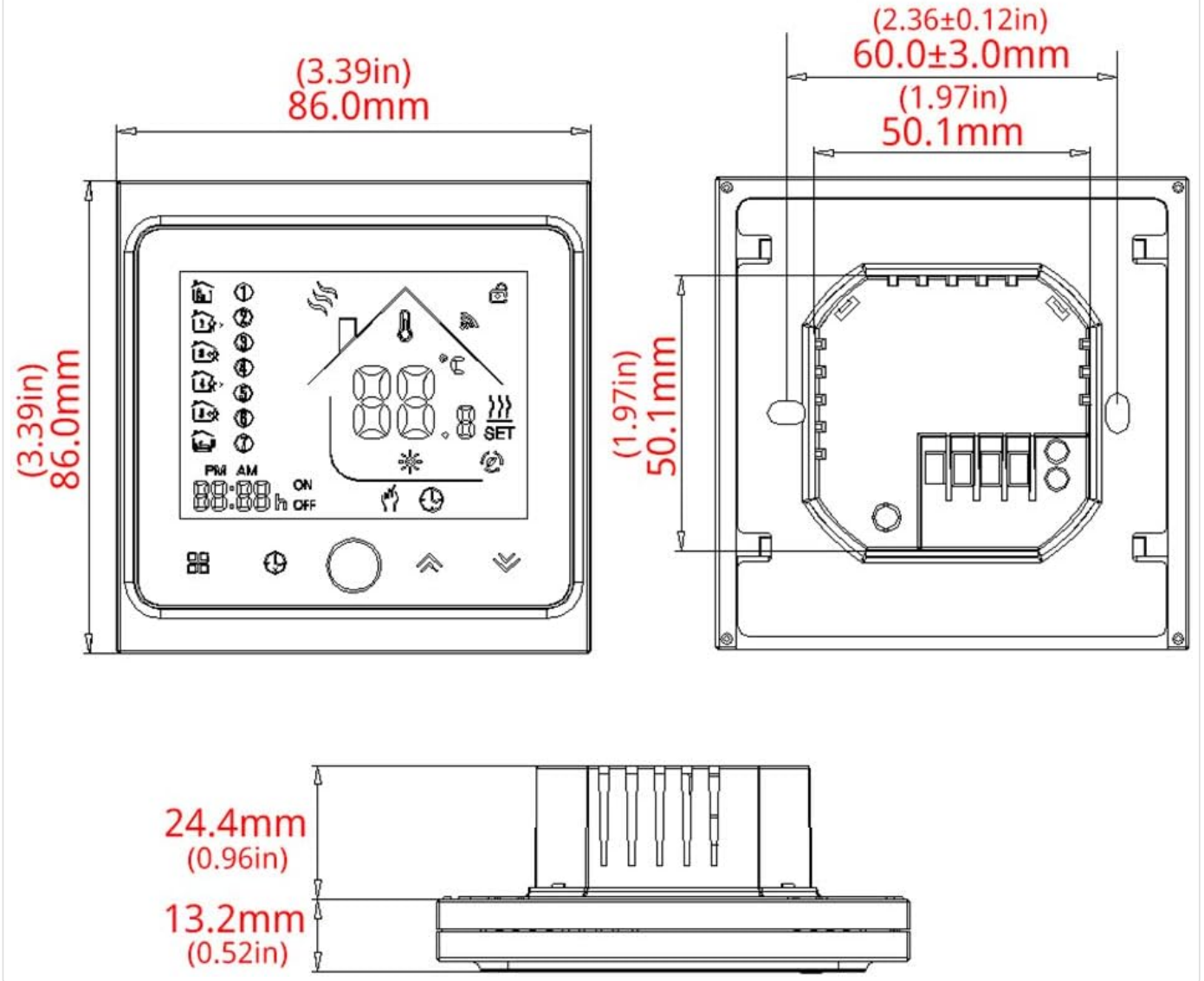


Figure 7.1: Dimensions of the Decdeal GC BHT-002 Thermostat.

Feature	Detail
Brand	Decdeal
Model Name	GC BHT-002
Model Number	CIQ9302071871979EJ
Color	Black
Product Dimensions (L x W x H)	3.76 x 8.6 x 8.6 cm (1.48 x 3.39 x 3.39 inches)
Weight	153 grams (0.34 lbs)
Power	1.5 Watts
Voltage	240 Volts (AC 95-240V)
Material	Acrylonitrile Butadiene Styrene (ABS)

Feature	Detail
Special Features	Programmable
Controller Type	Amazon Alexa
Specific Uses	Temperature Control
Temperature Control Type	Smart/Remote Control
Connectivity Technology	Wi-Fi
Included Components	Thermostat, User Manual, 2 Screws
Country of Origin	China

8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact Decdeal customer service through their official website or the retailer where the product was purchased. Please have your model number (GC BHT-002) and purchase date ready when contacting support.
Online resources and FAQs may also be available on the manufacturer's website to assist with common queries.

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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.

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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