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> Friedland Homexpert Honeywell Programmable Thermostat THR870B User Manual

## Friedland THR870B

# Friedland Homexpert Honeywell Programmable Thermostat THR870B User Manual

Model: THR870B

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Friedland Homexpert Honeywell Programmable Thermostat, model THR870B. This device is designed to offer precise digital temperature control and flexible programming options to optimize your home's heating system and enhance energy efficiency.

## PRODUCT FEATURES

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- Digital control accuracy with programmable time schedules for energy savings.
- Multiple operating modes: Automatic, Manual, Holiday, Temporary Override, and Off (with frost protection).
- 7-day programming capability, allowing up to 6 independent time and temperature settings per day.
- Large, backlit display for clear readability in various lighting conditions.
- Includes 3 interchangeable front covers (cream, grey, and black) to match interior decor.
- Battery-operated (requires 2 x LR6 AA 1.5V batteries).
- Automatic summer time adjustment.

## SETUP AND INSTALLATION

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The THR870B thermostat is designed for wired installation. It is recommended that installation be performed by a qualified electrician to ensure safety and proper functionality.

### 1. Mounting the Thermostat

Mount the thermostat on an interior wall, away from direct sunlight, drafts, or heat sources that could affect temperature readings. Ensure the mounting location is at a suitable height for easy access and viewing.



*Image: Honeywell Homexpert Thermostat mounted on a wall in a modern living room setting. This illustrates a typical installation environment.*

## **2. Wiring**

Connect the thermostat to your heating system according to the wiring diagram provided in the full installation guide (not included in this user manual). Ensure all power is disconnected before commencing wiring.

## **3. Battery Installation**

The thermostat requires two (2) LR6 AA 1.5V alkaline batteries. Open the battery compartment, insert the batteries observing the correct polarity (+/-), and close the compartment securely.

## **4. Attaching the Front Cover**

Your thermostat comes with three interchangeable front covers: cream, grey, and black. Select your preferred color and carefully snap it onto the thermostat unit until it is securely in place.



Image: Three Honeywell Homexpert Thermostats, each featuring a different colored front cover (black, grey, and white/cream). This demonstrates the customizable aesthetic options.

## OPERATING INSTRUCTIONS

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Familiarize yourself with the thermostat's display and buttons for effective operation.

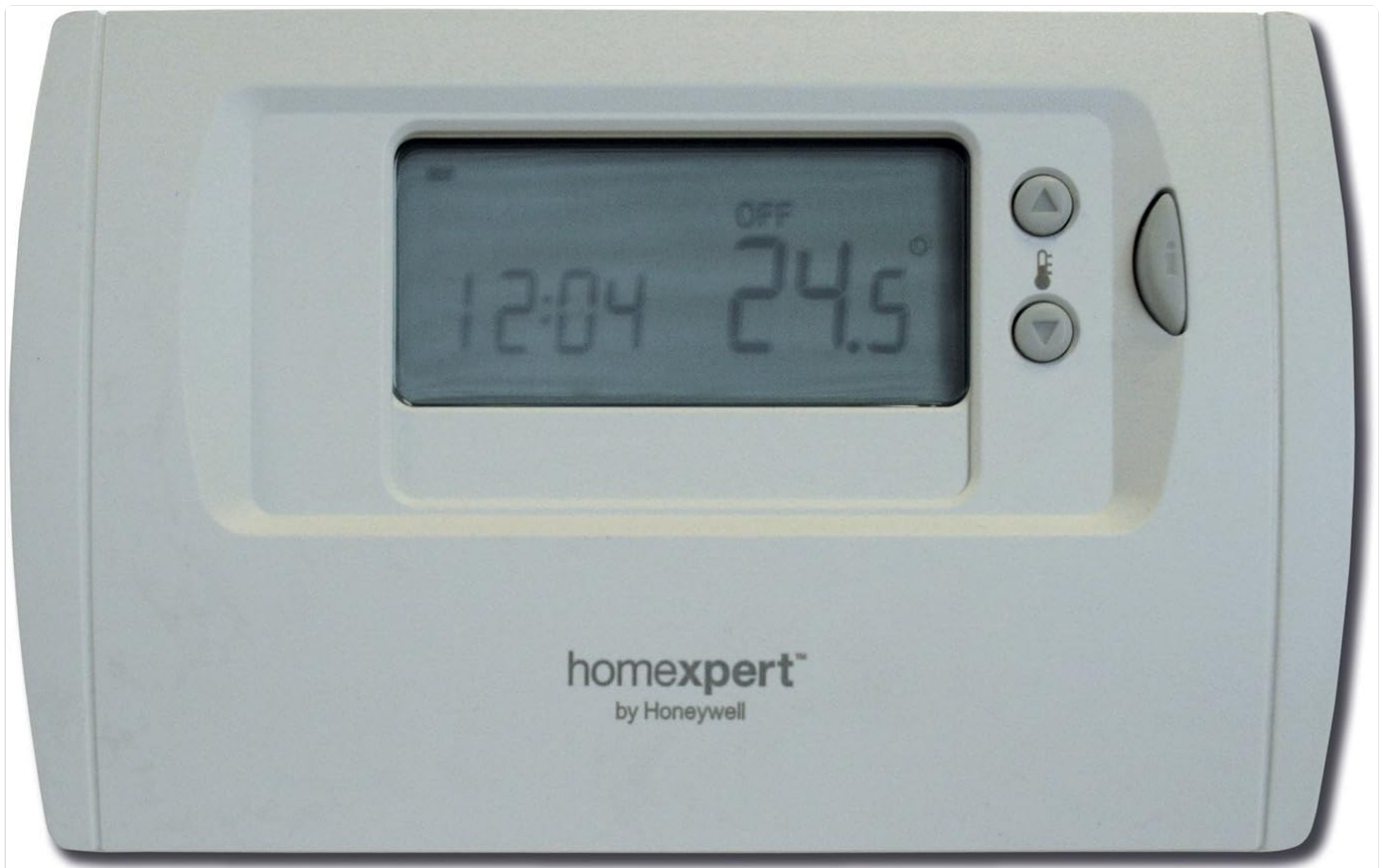


Image: Front view of the Friedland Homexpert Honeywell Programmable Thermostat THR870B. The display shows "12:04" and "24.5°C OFF", with up/down arrow buttons and a mode button on the right.

## 1. Setting the Time and Date

Upon initial power-up or after battery replacement, you may need to set the current time and date. Refer to the full product manual for specific button sequences to enter the time/date setting mode.

## 2. Selecting Operating Modes

Press the Mode button (usually indicated by a symbol or text) to cycle through the available operating modes:

- **Auto:** Follows the programmed schedule.
- **Manual:** Maintains a constant temperature set by the user, overriding the schedule.
- **Holiday:** Sets a reduced temperature for a specified duration, ideal for energy saving when away.
- **Temporary Override:** Allows a temporary temperature adjustment without altering the main program. The thermostat will revert to the schedule at the next programmed event.
- **Off (Frost Protection):** Turns off heating but activates if the temperature drops below a set frost protection level (e.g., 5°C) to prevent pipes from freezing.

## 3. Programming the Schedule (7-Day)

The thermostat supports a 7-day programming schedule with up to 6 independent time and temperature settings per day. This allows for customized heating patterns to match your weekly routine.

1. Enter programming mode (refer to the full manual for specific button presses).
2. Select the day or group of days you wish to program.
3. Set the desired time and temperature for each of the 6 available periods.
4. Repeat for other days as needed.
5. Save and exit programming mode.

The large backlit display will show the current time and temperature, making it easy to monitor your settings.

## MAINTENANCE

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- **Cleaning:** Wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries annually or when the low battery indicator appears on the display. Use only LR6 AA 1.5V alkaline batteries.
- **Disposal:** Dispose of old batteries and the thermostat responsibly, following local regulations for electronic waste.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead batteries.	Replace the two LR6 AA 1.5V batteries.
Heating system not responding.	Incorrect wiring; thermostat in "Off" mode; system fault.	Check wiring connections (consult a professional); ensure thermostat is in "Auto" or "Manual" mode; check heating system for faults.
Temperature reading seems inaccurate.	Thermostat exposed to direct sunlight, drafts, or heat sources.	Relocate thermostat if possible, or shield it from external influences.
Programmed schedule not followed.	Thermostat in "Manual" or "Holiday" mode; programming error.	Switch to "Auto" mode; review and re-enter programming schedule.

For issues not listed here, or if solutions do not resolve the problem, please contact customer support or a qualified technician.

## SPECIFICATIONS

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- **Model Number:** THR870B
- **Brand:** Friedland Homexpert by Honeywell
- **Power Source:** Battery (2 x LR6 AA 1.5V)
- **Voltage:** 15 Volts (likely referring to the system voltage it controls, not battery voltage)
- **Display Type:** Backlit
- **Control Type:** Push button, Touch
- **Temperature Control Type:** Programmable (7-day, up to 6 settings/day)
- **Color Options:** Cream, Grey, Black (interchangeable covers)
- **Mounting:** Wall Mount
- **Dimensions (Package):** 22 x 19 x 6.6 cm
- **Weight (Package):** 439.99 g
- **First Available:** October 28, 2013

## WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation included with your purchase or contact Friedland/Honeywell customer support directly. Support contact details can typically be found on the manufacturer's official website or on the product packaging. When contacting support, please have your model number (THR870B) and purchase date readily available.