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> Honeywell FocusPRO 6000 TH6110D1005/U Programmable Thermostat User Manual

## Honeywell TH6110D1005/U

# Honeywell FocusPRO 6000 TH6110D1005/U Programmable Thermostat User Manual

Model: TH6110D1005/U

## 1. INTRODUCTION

The Honeywell FocusPRO 6000 TH6110D1005/U is a programmable wall thermostat designed to provide precise temperature control for your heating and cooling system. This manual provides detailed instructions for installation, setup, operation, and maintenance of your thermostat.

## 2. SAFETY INFORMATION

- Always turn off power to the heating/cooling system at the main circuit breaker or fuse box before installing or servicing the thermostat.
- Installation must be performed by a qualified technician.
- Read all instructions carefully before proceeding with installation or operation.
- This thermostat is designed for 24 VAC systems. Do not use on systems exceeding 30 VAC.

## 3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Honeywell FocusPRO 6000 TH6110D1005/U Thermostat
- Wallplate (attached to thermostat)
- Mounting hardware (screws and wall anchors)
- User Guide (this document)



Figure 3.1: Thermostat and included accessories.

## 4. PRODUCT OVERVIEW

The Honeywell FocusPRO 6000 features an easy-to-read digital display and intuitive buttons for controlling your home's temperature.

### 4.1 Front View



Figure 4.1: Front view of the thermostat, showing the display and control buttons.

### 4.2 Display and Buttons

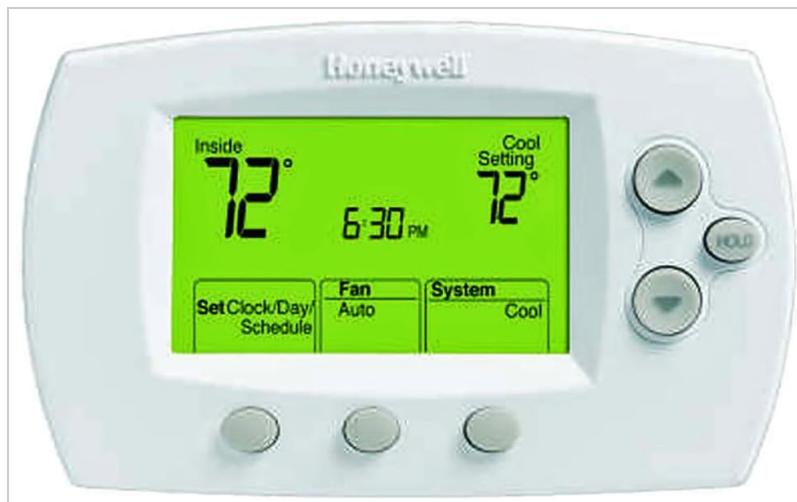


Figure 4.2: Illuminated display showing current temperature, set temperature, time, and system status.

- **Display:** Shows current room temperature, set temperature, time, and system status.
- **Up/Down Arrows:** Adjust temperature settings and navigate menu options.
- **HOLD Button:** Overrides the programmed schedule to maintain a constant temperature.
- **System Button:** Selects system mode (Heat, Cool, Off, Auto).
- **Fan Button:** Selects fan operation (Auto, On).
- **Set Clock/Day/Schedule Button:** Used for setting time, day, and programming the schedule.

## 5. INSTALLATION

Follow these steps to install your Honeywell FocusPRO 6000 thermostat.

### 5.1 Removing the Old Thermostat

1. Turn off power to the heating/cooling system at the circuit breaker or fuse box.
2. Remove the cover of your old thermostat.
3. Take a picture of the wiring connections for reference.
4. Disconnect and label each wire from the old thermostat terminals.
5. Remove the old thermostat's wallplate.

### 5.2 Mounting the New Thermostat



Figure 5.1: Rear view of the thermostat with the wallplate removed, showing wiring terminals.

1. Separate the new thermostat from its wallplate. Gently pull the top and bottom edges to detach.
2. Position the wallplate against the wall where you want to mount the thermostat.
3. Mark the mounting holes. Use the provided wall anchors if drilling into drywall.
4. Secure the wallplate to the wall using the provided screws.

## 6. WIRING

This thermostat is compatible with 1-stage heating and 1-stage cooling systems. Refer to the wiring diagram below and your old thermostat's wiring for correct connections.

### 6.1 Wiring Terminals

Terminal	Description
R	24 VAC heating power (common for R and Rc if jumpered)
Rc	24 VAC cooling power
W	Heat relay

Terminal	Description
Y	Compressor contactor
G	Fan relay
C	24 VAC common (optional for continuous backlight)

Connect the labeled wires from your old thermostat to the corresponding terminals on the new wallplate. Ensure all connections are secure. If your system has separate R and Rc wires, remove the factory-installed jumper between R and Rc. If you have only one R wire, leave the jumper in place.

## 6.2 Attaching the Thermostat to the Wallplate

Once wiring is complete, align the thermostat with the wallplate and gently push until it snaps securely into place.

## 7. INITIAL SETUP AND CONFIGURATION

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After installation, restore power to the system. The thermostat will power on. You may need to configure initial settings.

### 7.1 Setting the Current Time and Day

1. Press the **Set Clock/Day/Schedule** button.
2. Use the **Up** or **Down** arrows to adjust the time.
3. Press **Set Clock/Day/Schedule** again to set the day. Use the **Up** or **Down** arrows to select the current day.
4. Press **Set Clock/Day/Schedule** or wait 5 seconds to save and exit.

### 7.2 Installer Setup (Advanced)

This thermostat has an installer setup menu for advanced configuration, such as system type, fan operation, and temperature differential. Access this menu by pressing and holding the **System** and **Up** arrow buttons simultaneously for approximately 3 seconds. Refer to the full installer guide for detailed options.

## 8. OPERATION

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Understanding the basic operation of your thermostat will help you maximize comfort and energy efficiency.

### 8.1 System Modes

Press the **System** button to cycle through the available modes:

- **Heat:** The thermostat controls the heating system.
- **Cool:** The thermostat controls the cooling system.
- **Off:** Both heating and cooling systems are off.
- **Auto:** The thermostat automatically switches between heating and cooling to maintain the set temperature range.

### 8.2 Fan Modes

Press the **Fan** button to cycle through the available fan modes:

- **Auto:** The fan runs only when the heating or cooling system is active.
- **On:** The fan runs continuously, regardless of whether the heating or cooling system is active.

## 8.3 Programming a Schedule

The thermostat allows for separate weekday/weekend programming with up to four program periods per day (Wake, Leave, Return, Sleep).

1. Press the **Set Clock/Day/Schedule** button until 'SET SCHEDULE' appears.
2. Use the **Up** or **Down** arrows to adjust the start time for the 'Wake' period.
3. Press **Set Clock/Day/Schedule** to move to the temperature setting for 'Wake'. Use **Up** or **Down** arrows to adjust.
4. Repeat steps 2 and 3 for 'Leave', 'Return', and 'Sleep' periods for Monday-Friday.
5. After programming Friday's 'Sleep' period, the thermostat will prompt you to program Saturday and Sunday. Follow the same procedure.
6. Press **Set Clock/Day/Schedule** or wait 5 seconds to save and exit.

## 8.4 Temporary and Permanent Hold

- **Temporary Hold:** Adjust the temperature using the **Up** or **Down** arrows. The new temperature will be maintained until the next programmed period begins.
- **Permanent Hold:** Press the **HOLD** button. The thermostat will maintain the current temperature indefinitely. To cancel, press **HOLD** again.

## 9. MAINTENANCE

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Regular maintenance ensures optimal performance of your thermostat.

### 9.1 Battery Replacement

The thermostat requires two AA alkaline batteries. When the battery icon appears on the display, replace the batteries promptly.

1. Gently pull the thermostat from its wallplate.
2. Locate the battery compartment on the back of the thermostat.
3. Remove the old batteries and insert two new AA alkaline batteries, observing polarity (+/-).
4. Snap the thermostat back onto the wallplate.

*Note:* Your program settings are typically retained for a short period during battery replacement.

## 10. TROUBLESHOOTING

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If you experience issues with your thermostat, try the following solutions:

Problem	Possible Cause	Solution
No display or blank screen	No power, dead batteries	Check circuit breaker, replace batteries.
Heating/Cooling system not responding	Incorrect system mode, wiring issue, power off	Ensure system mode is set correctly (Heat/Cool). Check wiring connections. Verify power to HVAC system.
Temperature inaccurate	Thermostat location, calibration issue	Ensure thermostat is not in direct sunlight or near heat sources. Consult installer setup for calibration options if available.

Problem	Possible Cause	Solution
Programmed schedule not running	Thermostat in 'Hold' mode, incorrect time/day	Cancel 'Hold' mode. Verify current time and day settings.

## 11. SPECIFICATIONS

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- **Model:** TH6110D1005/U
- **Dimensions (H x W x D):** 6.3" x 4.38" x 2.3"
- **Power Source:** Hardwired (24 VAC), 2 AA batteries for backup/display
- **Control Type:** Push Button, Programmable Digital
- **Display Type:** LCD with Backlight
- **Temperature Control Accuracy:** +/- 1°F (0.5°C)
- **System Compatibility:** 1 Heat / 1 Cool Conventional Systems
- **Mounting:** Wall Mount

## 12. WARRANTY AND SUPPORT

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For warranty information or technical assistance, please contact Honeywell customer support. Details can typically be found on the Honeywell website or product packaging.

**Online Support:** Visit the official Honeywell website for FAQs, troubleshooting guides, and contact information.

**Phone Support:** Refer to your product packaging or the Honeywell website for customer service phone numbers.