

T8532-002

Generic Performance PRO T8000 Programmable 2H/2C Thermostat User Manual

Model: T8532-002

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Generic Performance PRO T8000 Programmable 2H/2C Thermostat. Please read this manual thoroughly before installation and use to ensure proper function and to maximize the benefits of your new thermostat.

The T8000 thermostat is designed for multi-stage heating and cooling systems, offering advanced programming options and features for optimal climate control and energy efficiency.

SAFETY INFORMATION

- **Electrical Hazard:** Disconnect power to the heating/cooling system at the main fuse or circuit breaker panel before installing or servicing the thermostat. Failure to do so may result in electrical shock or equipment damage.
- **Professional Installation Recommended:** If you are unfamiliar with electrical wiring, consult a qualified electrician or HVAC technician.
- **Proper Disposal:** Dispose of old batteries and electronic components according to local regulations.
- **Operating Temperature:** Ensure the thermostat is installed within its specified operating temperature range to prevent malfunction.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Performance PRO T8000 Thermostat Unit
- Mounting Hardware (screws, wall anchors)
- User Manual (this document)
- AA Batteries (typically included, check packaging)

SETUP AND INSTALLATION

1. Wiring

Before beginning, ensure power to your HVAC system is OFF at the circuit breaker.

1. Remove your old thermostat from the wall. Take a picture of the existing wiring connections for reference.
2. Label each wire with the corresponding terminal letter from your old thermostat.
3. Mount the T8000 backplate to the wall using the provided screws and anchors.
4. Connect the labeled wires to the corresponding terminals on the T8000 backplate. Refer to the wiring diagram below for typical connections.



Image: Internal circuit board of the T8000 thermostat. This image displays the intricate electronic components and various wiring terminals on the green circuit board, which are essential for connecting the thermostat to your HVAC system. The layout indicates where different system wires (e.g., R, C, Y, W, G) would typically be connected.

2. Initial Power-Up and Configuration

1. Insert the batteries into the thermostat unit.
2. Attach the thermostat unit to the mounted backplate.
3. Restore power to your HVAC system at the circuit breaker.
4. The thermostat display will illuminate. Follow the on-screen prompts to set the current date, time, and system type (e.g., Heat Pump, Conventional).
5. Configure advanced settings such as temperature calibration, cycle rates, and filter change reminders as needed.

OPERATING INSTRUCTIONS

1. Display Overview

The T8000 features an 8-inch blue backlight display with soft key command interface. The display shows current temperature, setpoint, system mode, fan status, and programming schedule.

2. System Modes

Press the "Mode" button to cycle through available system modes:

- **Heat:** Activates the heating system.
- **Cool:** Activates the cooling system.
- **Auto:** Automatically switches between heating and cooling to maintain the set temperature.
- **Off:** Turns off both heating and cooling.

3. Fan Operation

Press the "Fan" button to select fan operation:

- **Auto:** Fan runs only when heating or cooling is active.
- **On:** Fan runs continuously, regardless of heating or cooling calls.
- **Programmable/Intermittent:** Fan operates according to a set schedule or intermittently for air circulation.

4. Programming Schedules

The T8000 supports 7-day, 5-1-1 day, 5-2 day, and non-programmable modes. To set a schedule:

1. Press the "Program" button.
2. Select the desired programming mode (e.g., 7-day).
3. Adjust the start time and temperature for each period (e.g., Wake, Leave, Return, Sleep) for each day or group of days.
4. Save your settings.

5. Advanced Features

- **Dual Fuel Support:** For systems with both a heat pump and a furnace.
- **Econ-o-zer/Damper Control:** Manages fresh air intake for improved indoor air quality.
- **Remote Sensors:** Supports remote indoor and outdoor sensors for more accurate temperature readings.
- **Occupancy Sensor Input:** Allows for automatic setback when no occupancy is detected.
- **PIN Access Lockout:** Three levels of keypad lockout with PIN access to prevent unauthorized changes.
- **SD Memory Card Interface:** Enables fast programming and configuration for large installations.
- **Pre-occupancy Purge & Override Limitations:** Meets CA Building Code Title 24 requirements.

MAINTENANCE

- **Battery Replacement:** When the low battery indicator appears, replace the AA batteries promptly. Open the battery compartment, remove old batteries, and insert new ones, observing polarity.
- **Filter Change Reminder:** The thermostat can display a "Change Filter" indicator. Replace your HVAC system's air filter as recommended by the manufacturer, then reset the reminder on the thermostat.
- **Cleaning:** Wipe the thermostat's display and casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat display is blank.	No power, dead batteries, or tripped circuit breaker.	Check batteries and replace if necessary. Ensure power is on at the circuit breaker. Verify wiring connections.
System not heating/cooling.	Incorrect mode selected, setpoint not reached, or system malfunction.	Ensure thermostat is in "Heat" or "Cool" mode. Adjust setpoint. Check HVAC system for power or error codes.
Temperature readings are inaccurate.	Thermostat location, drafts, or calibration issue.	Ensure thermostat is not in direct sunlight or near heat sources/drafts. Check calibration settings in the menu.

Problem	Possible Cause	Solution
Programming schedule not working.	Incorrect schedule settings or thermostat in "Hold" mode.	Review and correct programming settings. Cancel any active "Hold" settings.

SPECIFICATIONS

- **Product Type:** Thermostat
- **Type:** Digital
- **Application:** Multi-Stage (Heat/Cool)
- **Voltage:** 24V
- **Stages:** 2 Heat / 2 Cool
- **Programmability:** 7 Day, 5-2 Day, 5-1-1 Day, Non-Programmable
- **User Interface:** Push Button, 8-inch Blue Backlight Display
- **Mount:** Horizontal
- **Power Method:** Battery (AA)
- **Dimensions:** 1 x 1 x 1 inches (L x W x H)
- **Model Number:** T8532-002
- **Features:** Programmable & intermittent fan, Econ-o-zer/damper control output, 3 levels of keypad lockout with PIN access, Meets CA Building Code Title 24, Heating/Cooling LED indicator, Low battery & change filter indicators, Occupancy sensor/setback input, Remote indoor & outdoor sensor support, Commercial proportional integral control with configurable ramp recovery.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

For further assistance, please visit the manufacturer's website or contact their customer service department.