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Pro Select PSTSL11P52

ProSelect PSTSL11P52 Digital 5/2 Programmable Thermostat User Manual

Model: PSTSL11P52

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ProSelect PSTSL11P52 Digital 5/2 Programmable Thermostat. This thermostat is designed to provide reliable and efficient control of your heating and cooling system, offering 5/2 day programming for customized comfort.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the benefits of your new thermostat.

PRODUCT OVERVIEW

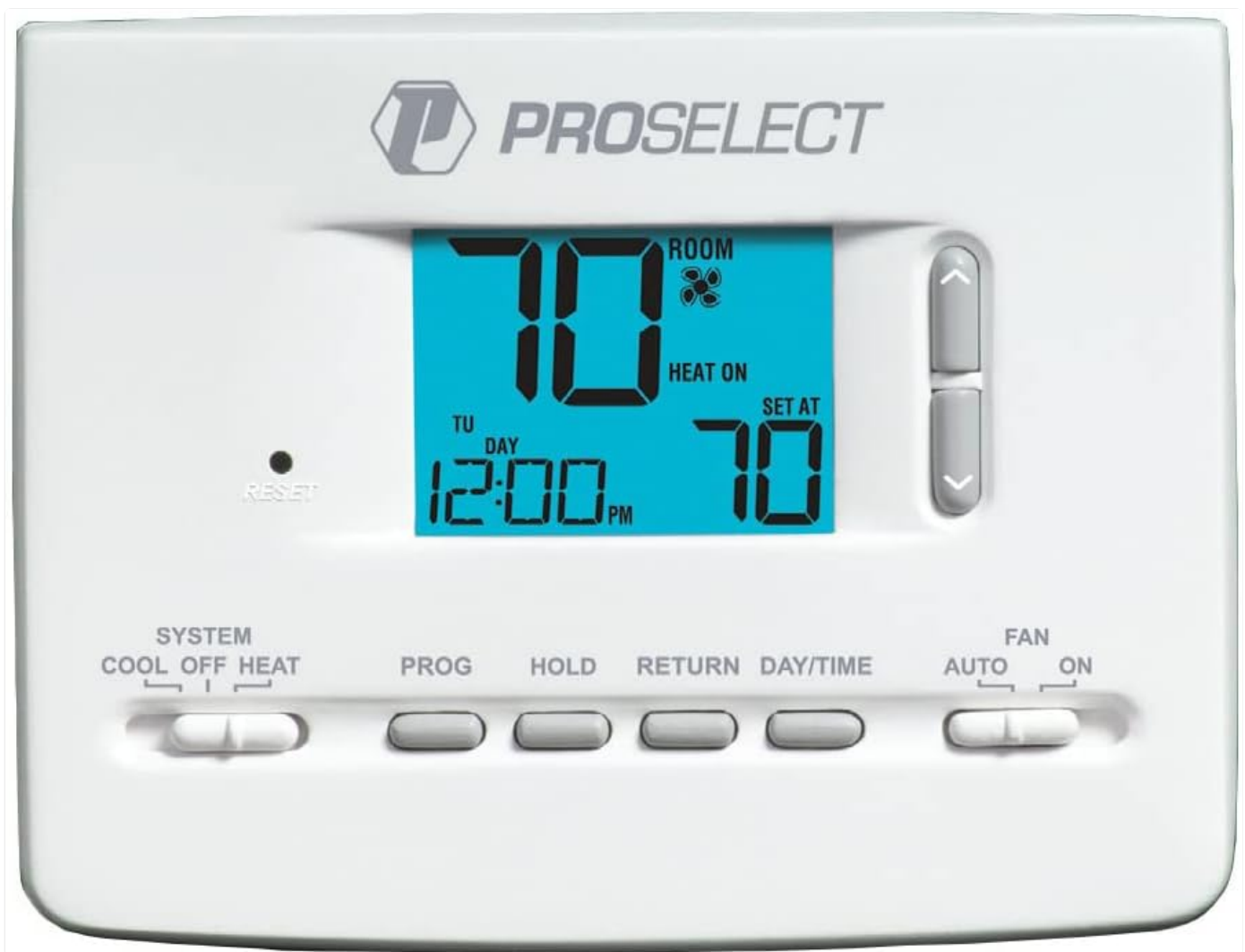


Image 1: ProSelect PSTSL11P52 Digital Programmable Thermostat. This image displays the front view of the ProSelect PSTSL11P52 thermostat. It features a large, backlit digital display showing the current room temperature (70 degrees Fahrenheit), the set temperature (70 degrees Fahrenheit), and the current time (12:00 PM). Below the display are several control buttons: "SYSTEM" (with Cool, Off, Heat options), "PROG", "HOLD", "RETURN", "DAY/TIME", and "FAN" (with Auto, On options). A "RESET" button is visible on the left side. Up and down arrow buttons are located on the right side of the display for temperature adjustment.

The ProSelect PSTSL11P52 thermostat offers advanced features for precise temperature control:

- **5/2 Day Programming:** Allows separate weekday and weekend schedules for energy efficiency and comfort.
- **Large Backlit Display:** A 2-square-inch display provides clear visibility of settings and temperatures, even in low light.
- **Adjustable Temperature Limits:** Provides flexibility in setting temperature ranges.
- **Built-in Filter Monitor:** Notifies users when the HVAC system filter requires changing.
- **Hardwired with Battery Backup:** Ensures continuous operation during power outages.
- **Short Cycle Protection:** Protects your AC compressor from damage due to rapid cycling.
- **Low Battery Indicator:** Alerts when batteries need replacement.
- **Fahrenheit/Celsius Switch:** User-selectable temperature display format.

INSTALLATION AND SETUP

Safety Precautions

- **Turn off power** to the heating and cooling system at the main fuse or circuit breaker panel before beginning installation.

- Ensure all wiring is done according to local electrical codes.
- This thermostat is designed for 24V systems. Do not use with line voltage systems (120V/240V).

Tools Required

- Phillips head screwdriver
- Wire strippers/cutters
- Drill (if new mounting holes are needed)
- Pencil

Mounting the Thermostat

1. Carefully remove the old thermostat from the wall. Note the wiring connections.
2. Separate the new thermostat's front cover from its base.
3. Position the thermostat base on the wall where the old thermostat was, ensuring it is level. Mark the mounting holes.
4. Drill pilot holes if necessary and secure the thermostat base to the wall using the provided screws.

Wiring Instructions

This thermostat supports 1 Heat / 1 Cool (single stage) systems. Refer to the wiring diagram below for common connections. If you are unsure about wiring, consult a qualified HVAC technician.

Common Wiring Terminals

Terminal	Description
R	24V AC Hot (Power)
C	24V AC Common (Required for continuous power)
W	Heat Relay
Y	Cool Relay
G	Fan Relay

Connect the wires from your HVAC system to the corresponding terminals on the thermostat base. Ensure connections are secure.

Initial Power-Up and Configuration

1. Install 2 AA alkaline batteries (not included) into the battery compartment for backup power.
2. Snap the front cover onto the thermostat base.
3. Restore power to the HVAC system at the main fuse or circuit breaker panel.
4. The thermostat display should illuminate. Follow the on-screen prompts or refer to the "Setting Time and Day" section to set the current time and day.
5. Configure the system type (e.g., conventional heat/cool) if prompted during initial setup. This thermostat is designed for 1 Heat / 1 Cool systems.

OPERATING INSTRUCTIONS

Setting System Mode (Cool, Off, Heat)

Use the **SYSTEM** switch located at the bottom left of the thermostat to select the desired operating mode:

- **COOL:** The thermostat will operate your cooling system.
- **OFF:** Both heating and cooling systems are turned off.
- **HEAT:** The thermostat will operate your heating system.

Setting Fan Mode (Auto, On)

Use the **FAN** switch located at the bottom right of the thermostat to select the fan operation:

- **AUTO:** The fan runs only when the heating or cooling system is actively operating. This is the most energy-efficient setting.
- **ON:** The fan runs continuously, regardless of whether the heating or cooling system is active.

Adjusting Temperature

Use the **Up** and **Down** arrow buttons on the right side of the display to adjust the desired set temperature. The display will show the new set temperature as you adjust it.

Setting Time and Day

1. Press the **DAY/TIME** button.
2. Use the **Up** or **Down** arrow buttons to adjust the hour. Press **DAY/TIME** again to confirm.
3. Use the **Up** or **Down** arrow buttons to adjust the minute. Press **DAY/TIME** again to confirm.
4. Use the **Up** or **Down** arrow buttons to adjust the day of the week. Press **RETURN** to exit.

Programming Schedules (5/2 Day)

The thermostat allows for two distinct programming periods: weekdays (5 days) and weekends (2 days). Each period can have up to four temperature settings per day (Wake, Leave, Return, Sleep).

1. Press the **PROG** button. The display will show the current program period (e.g., "MON-FRI WAKE").
2. Use the **Up** or **Down** arrow buttons to adjust the start time for the current program period.
3. Press **PROG** again to move to the temperature setting for that period. Use the **Up** or **Down** arrow buttons to adjust the desired temperature.
4. Repeat step 2 and 3 for all four periods (Wake, Leave, Return, Sleep) for the weekday schedule.
5. After setting the weekday schedule, the thermostat will automatically advance to the weekend schedule (SAT-SUN). Repeat the process for the weekend periods.
6. Press **RETURN** to save and exit programming mode.

Using the Hold Feature

The **HOLD** feature allows you to temporarily or permanently override the programmed schedule.

- **Temporary Hold:** While in normal operation, adjust the temperature using the **Up** or **Down** arrow buttons. The thermostat will temporarily hold this temperature until the next programmed period begins.
- **Permanent Hold:** Press the **HOLD** button. The display will show "HOLD". Adjust the temperature using the **Up** or **Down** arrow buttons. The thermostat will maintain this temperature indefinitely until **HOLD** is pressed again, or the **RETURN** button is pressed to resume the schedule.

MAINTENANCE

Battery Replacement

The thermostat uses 2 AA alkaline batteries for backup power. When the low battery indicator appears on the display, replace the batteries promptly to ensure continuous operation and save programmed settings.

1. Remove the front cover of the thermostat.
2. Remove the old batteries and dispose of them properly.
3. Insert two new AA alkaline batteries, observing the correct polarity (+/-).
4. Replace the front cover.

Cleaning the Thermostat

Wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Avoid spraying liquids directly onto the thermostat.

Filter Monitor

The built-in filter monitor will display an alert when it's time to check or change your HVAC system's air filter. Regularly changing your filter improves system efficiency and air quality. Consult your HVAC system's manual for specific filter replacement instructions.

TROUBLESHOOTING

Troubleshooting Guide

Problem	Possible Cause	Solution
Display is blank	No power from HVAC system; Dead batteries	Check circuit breaker for HVAC system. Replace batteries. Ensure C-wire is connected if applicable.
System not responding (no heating/cooling)	Incorrect system mode; Temperature set too high/low; Blown fuse in HVAC system; Wiring issue	Verify SYSTEM switch is in HEAT or COOL. Adjust set temperature. Check HVAC system fuse. Re-check wiring connections.
Thermostat not holding program	HOLD feature active; Batteries low	Press RETURN to exit HOLD mode. Replace batteries.
Temperature reading seems inaccurate	Thermostat exposed to direct sunlight or drafts; Sensor obstruction	Relocate thermostat if possible. Ensure no obstructions around the thermostat.
Filter monitor alert remains after changing filter	Filter monitor not reset	Refer to your HVAC system or thermostat manual for filter monitor reset instructions. (Typically involves holding a button or navigating a menu).

If problems persist after attempting these solutions, contact a qualified HVAC technician or ProSelect customer support.

SPECIFICATIONS

Feature	Detail
Model Number	PSTSL11P52
Control Type	Electronic, Push Button
Programmability	5/2 Day Programmable
Stages	1 Heat / 1 Cool

Feature	Detail
Voltage	24V AC
Amperage	3 Amps
Temperature Range	45°F to 90°F (7°C to 32°C)
Display Size	2 Sq. In. (Backlit)
Dimensions (H x W x D)	3-5/8" x 4-23/32" x 1-3/8" (approx. 3.63" x 4.75" x 1.38")
Power Source	Hardwired with Battery Backup (2 AA batteries)
Color	White

WARRANTY AND SUPPORT

Limited Warranty

The ProSelect PSTSL11P52 Digital 5/2 Programmable Thermostat comes with a **5-year limited warranty** for the original owner. This warranty covers defects in materials and workmanship under normal use and service. For full warranty terms and conditions, please refer to the documentation included with your purchase or contact ProSelect customer support.

Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact ProSelect customer support. Have your model number (PSTSL11P52) and purchase date ready when contacting support. *Contact information for ProSelect customer support is typically found on the product packaging or the manufacturer's official website.*



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