

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Venstar](#) /
- › [Venstar T1700 1-Day Programmable Digital Thermostat User Manual](#)

Venstar T1700

Venstar T1700 1-Day Programmable Digital Thermostat User Manual

Model: T1700 | Brand: Venstar

INTRODUCTION

The Venstar T1700 1-Day Programmable Digital Thermostat offers reliable and flexible control for your heating and cooling system. This manual provides essential information for installation, operation, maintenance, and troubleshooting to ensure optimal performance and comfort.



Figure 1: Front view of the Venstar T1700 Digital Thermostat, displaying the screen and control buttons.

KEY FEATURES

- 1-Day Programmable with up to 4 time periods for customized comfort.
- Auto changeover functionality for seamless transition between heating and cooling.
- Supports 2-stage heat and 1-stage cool systems.
- Compatible with gas/electric, heat pump, electric, and hydronic heat systems.
- Digital display with backlight for clear visibility.

- Push button controls for easy temperature adjustment and mode selection.

SETUP AND INSTALLATION

Before beginning installation, ensure the power to your HVAC system is turned off at the circuit breaker. This thermostat is designed for wall-mount installation.

1. **Power Disconnection:** Turn off all power to the heating and cooling system at the main fuse or circuit breaker.
2. **Remove Old Thermostat:** Carefully remove your old thermostat from the wall. Note the wiring connections. It is recommended to label each wire with the terminal designation it was connected to.
3. **Mounting the New Thermostat:** Secure the new thermostat's base plate to the wall using the provided screws. Ensure it is level.
4. **Wiring:** Connect the labeled wires to the corresponding terminals on the Venstar T1700 thermostat. Refer to the wiring diagram in the full product manual for specific configurations based on your HVAC system type (gas/electric, heat pump, etc.).
5. **Attach Thermostat Body:** Once wiring is complete, carefully attach the main body of the thermostat to the base plate.
6. **Restore Power:** Turn the power back on at the circuit breaker.
7. **Initial Setup:** Follow the on-screen prompts for initial setup, including setting the current time and day.

Note: If you are unsure about any part of the installation process, it is recommended to consult a qualified HVAC technician.

OPERATING INSTRUCTIONS

The Venstar T1700 thermostat features intuitive push-button controls for easy operation.

Setting Temperature:

- Use the **Up (▲)** and **Down (▼)** arrow buttons to adjust the desired temperature setpoint. The display will show the current temperature and the setpoint.

Selecting Operating Mode:

Press the **MODE** button to cycle through the available operating modes:

- **HEAT:** The system will operate to maintain the set heating temperature.
- **COOL:** The system will operate to maintain the set cooling temperature.
- **AUTO:** The thermostat automatically switches between heating and cooling modes to maintain the desired temperature range.
- **OFF:** The heating and cooling system is turned off.

Fan Operation:

Press the **FAN** button to select fan operation:

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

Programming Schedule:

The T1700 allows for 1-day programming with up to 4 time periods. Refer to the detailed programming section in the full product manual for step-by-step instructions on setting your daily schedule.

MAINTENANCE

The Venstar T1700 thermostat requires minimal maintenance to ensure continued optimal performance.

- **Cleaning:** Periodically wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Airflow:** Ensure that the thermostat's vents are not obstructed by dust or debris, as this can affect temperature readings.
- **System Checks:** Regularly check your HVAC system's air filters and replace them as recommended by your system manufacturer to maintain efficiency.

This thermostat does not require batteries.

TROUBLESHOOTING

If you encounter issues with your Venstar T1700 thermostat, try the following troubleshooting steps:

- **No Display/Power:**
 - Check the circuit breaker for your HVAC system to ensure power is on.
 - Verify that the thermostat is properly seated on its base plate and all wiring connections are secure.
- **System Not Responding (No Heat/Cool):**
 - Ensure the thermostat is set to the correct operating mode (HEAT or COOL) and the desired temperature is above/below the ambient temperature.
 - Check if the fan is set to AUTO or ON.
 - Allow a few minutes for the system to respond after making changes, as some systems have built-in delays.
- **Inaccurate Temperature Reading:**
 - Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources (e.g., lamps, appliances) that could affect its sensor.
 - Clean any dust or debris from the thermostat's vents.

If these steps do not resolve the issue, contact a qualified HVAC technician or Venstar customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	Venstar
Model Number	T1700
Controller Type	Push Button
Special Features	Auto Changeover, Programmable
Color	White
Specific Uses	Heat Pump
Temperature Control Type	Programmable
Connectivity Technology	BACnet MS/TP
Included Components	Temperature Sensor
Power Source	AC/DC
Item Weight	0.01 Ounces
Voltage	24 Volts
Material	Metal, Plastic
Shape	Rectangular
Display Type	Digital
Mounting Type	Wall Mount

Feature	Detail
Backlight	Yes
Product Dimensions	4.8 x 4.3 x 1.1 inches

WARRANTY INFORMATION

Venstar products are designed for durability and performance. This product comes with a standard manufacturer's warranty covering defects in materials and workmanship. For specific warranty terms, duration, and claim procedures, please refer to the warranty card included with your product or visit the official Venstar website. Keep your purchase receipt as proof of purchase.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or to report an issue, please contact Venstar customer support. Before contacting support, please have your product model number (T1700) and a description of the issue ready.

- **Online Support:** Visit the official Venstar website for FAQs, troubleshooting guides, and contact forms.
- **Phone Support:** Refer to the contact information provided in your product packaging or on the Venstar website.

