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Venstar T1000FS

Venstar T1000FS FlatStat Thermostat User Manual

Model: T1000FS | Brand: Venstar

INTRODUCTION

The Venstar T1000FS FlatStat is a 1-day programmable thermostat designed for efficient temperature control in your home or office. Its sleek and unobtrusive design allows it to blend seamlessly with any decor, while its large, easy-to-read display with continuous backlight ensures clear visibility. This thermostat is capable of managing both heating and cooling functions, displaying current room temperature alongside heating and cooling set points simultaneously.



Figure 1: Front view of the Venstar T1000FS FlatStat Thermostat, highlighting its clear digital display and control buttons.

KEY FEATURES

- **2-Stage Heat, 2-Stage Cool:** Compatible with gas/electrics, heat pumps, electric, and hydronic heat systems.
- **Autochangeover:** Automatically switches between heating and cooling modes as needed to maintain desired temperature.
- **LED Indicator:** A small LED light glows green for cooling or red for heating, providing a quick visual status.
- **Thermostat-Locking:** Set points can be adjusted only by authorized individuals, preventing unauthorized changes.
- **Sleek Design:** White color and flat-to-the-wall architectural design blend beautifully into any decor.
- **Large, Easy-to-Read Display:** Features a continuous backlight for clear visibility in various lighting conditions.

SETUP AND INSTALLATION

Installation of the Venstar T1000FS FlatStat Thermostat is designed to be straightforward, utilizing a mounting bracket for easy drywall installation. It is a hardwired unit and does not require batteries for primary operation, though it may use them for backup or specific functions.

Installation Steps:

1. **Power Off:** Before beginning installation, ensure that power to your HVAC system is completely turned off at the

circuit breaker.

2. **Remove Old Thermostat:** Carefully remove your existing thermostat from the wall. Note the wiring connections before disconnecting them. It is recommended to label each wire with the terminal it was connected to.
3. **Mounting Bracket Installation:** Secure the provided mounting bracket to the wall using the appropriate screws. Ensure it is level for proper aesthetic and functional alignment.
4. **Wiring Connections:** Connect the wires from your HVAC system to the corresponding terminals on the Venstar T1000FS. Refer to the wiring diagram provided in the full manual for specific connections (e.g., R, C, Y1, Y2, W1, W2, G). The thermostat supports 2-stage heat and 2-stage cool configurations.
5. **Attach Thermostat:** Once wiring is complete, carefully attach the thermostat unit to the mounting bracket, ensuring all connections are secure and the unit clicks into place.
6. **Power On:** Restore power to your HVAC system at the circuit breaker. The thermostat display should illuminate.
7. **Initial Setup:** Follow the on-screen prompts or refer to the detailed programming section in the full manual for initial setup, including time, date, and system type configuration.





Figure 2: Rear view of the thermostat, illustrating the wiring terminal block for HVAC system connections.

OPERATING INSTRUCTIONS

The Venstar T1000FS FlatStat is designed for user-friendly operation with intuitive controls.

Basic Operation:

- **Display:** The large LCD display shows the current room temperature prominently, along with the time, fan status, and the active heating or cooling set point.
- **On/Off Button:** Press this button to turn the thermostat on or off. When off, the system will not actively heat or cool.
- **Mode Button:** Cycles through available operating modes: Heat, Cool, Auto, and Off.
 - **Heat:** Activates heating when room temperature falls below the set point.
 - **Cool:** Activates cooling when room temperature rises above the set point.
 - **Auto:** Automatically switches between heating and cooling to maintain the desired temperature range.
 - **Off:** Turns off the heating and cooling system.
- **Fan Button:** Controls the fan operation:
 - **Auto:** Fan runs only when heating or cooling is active.
 - **On:** Fan runs continuously, regardless of heating or cooling calls.
- **Temperature Adjustment Buttons (Up/Down Arrows):** Use the **Warmer** (up arrow) and **Cooler** (down arrow) buttons to adjust the desired temperature set point.
- **LED Indicator:** A green LED light indicates the system is in cooling mode, while a red LED light indicates heating mode.

For detailed programming of the 1-day schedule and advanced settings, please refer to the comprehensive programming guide in the full product manual.

MAINTENANCE

The Venstar T1000FS FlatStat Thermostat requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, damp cloth. Do not use abrasive cleaners or

solvents, as these can damage the finish or internal components. Ensure no liquid enters the unit.

- **Airflow:** Ensure that the thermostat's vents (small openings on the casing) are not obstructed by dust, debris, or furniture, as this can affect temperature sensing accuracy.
- **Battery Check (if applicable):** Although primarily hardwired, some installations or specific models may utilize AA batteries for backup power or to retain settings during power outages. If your model uses batteries, check them annually and replace them if the low battery indicator appears on the display. The thermostat typically requires 2 AA batteries.
- **Firmware Updates:** This model does not support user-updatable firmware. Any necessary updates would typically be handled by a qualified technician.

TROUBLESHOOTING

If you encounter issues with your Venstar T1000FS FlatStat Thermostat, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No display/Thermostat is off	No power from HVAC system; tripped circuit breaker; loose wiring.	Check circuit breaker for HVAC system. Ensure all wiring connections are secure. If applicable, check and replace batteries.
System not heating/cooling	Incorrect mode selected; set point not met; system lockout; HVAC system issue.	Verify thermostat is in Heat or Cool mode. Adjust set point to be higher (for heat) or lower (for cool) than current room temperature. Check if the LED indicator is red (heat) or green (cool). If issues persist, consult an HVAC technician.
Fan not operating	Fan mode set to Auto; wiring issue; fan motor issue.	Press the Fan button to cycle to "On" mode to test continuous fan operation. Check fan wiring. If the fan still does not operate, an HVAC technician may be required.
Inaccurate temperature reading	Thermostat exposed to direct sunlight or drafts; obstructed vents.	Ensure thermostat is not in direct sunlight or near heat/cold sources. Clear any obstructions from the thermostat's vents.

For more complex issues or if the above steps do not resolve the problem, it is recommended to contact a qualified HVAC professional or Venstar customer support.

SPECIFICATIONS

Feature	Detail
Brand	Venstar
Model Name	Venstar
Model Number	T1000FS
Controller Type	Push Button
Special Features	1-Day Programmable, Automatic Changeover, Heat Pump Compatible
Color	White
Temperature Control Type	Manual
Connectivity Technology	Wired
Included Components	Thermostat, Mounting Bracket
Power Source	Hardwired
Shape	Rectangular
Display Type	LCD
Control Method	Touch (buttons)
Mounting Type	Wall Mount
Backlight	Yes
Batteries Required	2 AA batteries (for backup/specific functions, not included)
Item Weight	8.8 ounces
Product Dimensions	6.25 x 4.63 x 2 inches
UPC	733353151418








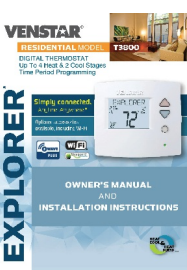
Figure 3: Side profile of the thermostat, illustrating its compact dimensions.

The Venstar T1000FS FlatStat Thermostat comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact Venstar customer service directly. Keep your proof of purchase for warranty validation.

For the most up-to-date contact information and detailed warranty terms, please visit the official Venstar website or refer to the documentation included with your product.

Related Documents - T1000FS

	<p>Venstar T1000FS Digital Thermostat Installation Guide</p> <p>Comprehensive installation guide for the Venstar T1000FS Residential Digital Thermostat, covering preparation, wiring, testing, and troubleshooting for HVAC systems.</p>
	<p>Venstar T1000FS Digital Thermostat Owner's Manual and Operation Guide</p> <p>This document provides comprehensive instructions for the Venstar T1000FS Digital Thermostat, covering installation, basic operation, daily scheduling, advanced setup, troubleshooting, and warranty information. Learn how to optimize your home's heating and cooling.</p>
	<p>Venstar T1000FS Digital Thermostat Installation Instructions</p> <p>Comprehensive installation guide for the Venstar T1000FS Single Day Programmable Digital Thermostat, covering wiring, setup, and troubleshooting for residential HVAC systems.</p>
	<p>Venstar Explorer T3800 Digital Thermostat: Owner's Manual and Installation Instructions</p> <p>Comprehensive owner's manual and installation guide for the Venstar Explorer T3800 digital thermostat. Learn about setup, programming, features, and troubleshooting for optimal home climate control.</p>



[Venstar T7900 ColorTouch Residential Thermostat: Owner's Manual & Installation Guide](#)

Comprehensive owner's manual and installation guide for the Venstar T7900 ColorTouch Residential Thermostat. Learn about features, setup, Wi-Fi connectivity, scheduling, and troubleshooting.



[Venstar T2700 Commercial Digital Thermostat Installation Instructions](#)

Comprehensive installation guide for the Venstar T2700 Non-Programmable Commercial Digital Thermostat, covering wiring, configuration, testing, and troubleshooting.