

Venstar T8800

Venstar ColorTouch T8800 Programmable Commercial Thermostat User Manual

Model: T8800

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Venstar ColorTouch T8800 Programmable Commercial Thermostat. The T8800 is designed to offer advanced climate control for commercial environments, featuring a customizable touch screen interface and comprehensive scheduling capabilities. Please read this manual thoroughly before installation and use to ensure proper function and to maximize the benefits of your thermostat.

2. KEY FEATURES

- **Advanced HVAC Control:** Supports up to 4 heat and 2 cool stages, compatible with dual fuel systems (gas, electric, or heat pump).
- **Programmable Scheduling:** Offers 365-day holiday/vacation scheduling for precise climate management.
- **Customizable Interface:** Features a color touch screen with customizable wallpapers and themes. Users can upload their own pictures for background display.
- **Remote Sensor Compatibility:** Accepts remote or outdoor sensors for enhanced temperature monitoring.
- **Security Features:** Provides flexible security options, including passcode protection and temperature range restrictions.
- **Energy Management:** Includes adjustable timers, dead-bands, and programmable fan settings for optimized energy use.
- **Weather Information:** Displays current weather and forecast directly on the screen.
- **Digital Picture Frame Functionality:** Can display personal photos when not actively being adjusted.

3. SAFETY INFORMATION

Observe the following safety precautions during installation and operation:

- Always turn off power to the heating and cooling system at the main circuit breaker before installing or servicing the thermostat.

- Installation should be performed by a qualified HVAC technician or electrician to prevent electrical shock or damage to the system.
- Do not expose the thermostat to water or excessive moisture.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Keep the thermostat away from direct sunlight, drafts, and heat sources that could affect temperature readings.

4. INSTALLATION (SETUP)

Professional installation is highly recommended for the Venstar ColorTouch T8800 thermostat. The following steps provide a general overview:

1. **Power Disconnection:** Turn off power to the HVAC system at the circuit breaker.
2. **Remove Old Thermostat:** Carefully remove the existing thermostat from the wall. Note the wiring connections.
3. **Mounting the Base Plate:** Secure the T8800 mounting base plate to the wall using the provided hardware.
4. **Wiring:** Connect the HVAC system wires to the appropriate terminals on the T8800 base plate. Refer to the detailed wiring diagram in the full installation guide (available from Venstar).
5. **Attach Thermostat:** Secure the T8800 thermostat unit onto the mounted base plate.
6. **Power Restoration:** Restore power to the HVAC system at the circuit breaker.
7. **Initial Configuration:** Follow the on-screen prompts to configure initial settings such as date, time, system type, and network connection.

For detailed wiring diagrams and specific installation instructions, please consult the complete installation manual provided with your thermostat or visit the official Venstar support website.

5. OPERATION

The Venstar ColorTouch T8800 features an intuitive touch screen interface for easy operation. The main screen displays current room temperature, set points, and system status.



Figure 1: Main display of the Venstar ColorTouch T8800 thermostat. It shows the current room temperature (72°), target cool temperature (73°), target heat temperature (71°), and system status (Equipment Idle). Buttons for "Warmer" and "Cooler" adjust set points. Navigation options include "Your Name," "Away," "Mode," and "Menu." The top bar displays date, time, humidity (38%), and outdoor temperature (76°).

5.1 Adjusting Temperature

- On the main screen, touch the "Warmer" or "Cooler" buttons next to the target temperature to adjust the desired set point.
- The current room temperature is prominently displayed.

5.2 Changing System Mode

- Touch the "Mode" button at the bottom of the screen.
- Select from available modes such as Heat, Cool, Auto, or Off.

5.3 Accessing the Menu

- Touch the "Menu" button to access advanced settings, scheduling, fan control, and other configurations.
- Navigate through the menu options using the touch screen.

5.4 Scheduling

- From the "Menu," select "Scheduling" to set up daily, weekly, or holiday programs.
- The T8800 supports 365-day holiday/vacation scheduling.

6. MAINTENANCE

- **Cleaning:** Gently wipe the screen and exterior with a soft, damp cloth. Do not use abrasive cleaners or

solvents.

- **Firmware Updates:** Periodically check the Venstar website for firmware updates to ensure optimal performance and access to new features.
- **System Checks:** Ensure the HVAC system filters are clean and that vents are unobstructed for efficient operation.

7. TROUBLESHOOTING

If you encounter issues with your T8800 thermostat, refer to the following common problems and solutions:

- **No Display/Power:**
 - Check the circuit breaker for your HVAC system and ensure power is on.
 - Verify all wiring connections are secure at the thermostat and HVAC unit.
- **Incorrect Temperature Readings:**
 - Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources.
 - If using a remote sensor, verify its placement and connection.
- **System Not Responding:**
 - Check the system mode (Heat, Cool, Auto, Off) to ensure it is set correctly.
 - Verify that the set point is appropriately above (for heating) or below (for cooling) the current room temperature.
 - If the issue persists, a system reset may be required (refer to the full manual for instructions).
- **Scheduling Issues:**
 - Confirm that the date and time settings are accurate.
 - Review your programmed schedule for any conflicts or incorrect settings.

For more complex issues, contact Venstar customer support or a qualified HVAC technician.

8. SPECIFICATIONS

Brand	Venstar
Model Number	T8800
Controller Type	SmartThings
Special Features	Temperature Sensor, Dehumidification Control, 7-Day Programmable, Preoccupancy Fan Purge
Color	White
Specific Uses	Heat Pump
Temperature Control Type	Programmable
Connectivity Technology	ZigBee, Z-Wave
Included Components	Temperature Sensor
Power Source	Electric



Voltage	230 Volts
Material	Plastic
Shape	Rectangular
Display Type	Digital
Mounting Type	Wall Mount
Product Dimensions	5.22 x 1 x 3.9 inches
Item Weight	0.01 Ounces
UPC	758576943060

9. WARRANTY AND SUPPORT

Venstar products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Venstar website. For technical support, troubleshooting assistance, or to locate authorized service providers, please contact Venstar customer service or visit their support portal.

Venstar Official Website: www.venstar.com

Related Documents - T8800

 <p>VENSTAR COMMERCIAL MODEL T8850 High Resolution, Touch Screen Digital Thermostat with Wi-Fi Connectivity</p> <p>ColorTouch</p> <p>Owner's Manual & Installation Guide</p>	<p>Venstar ColorTouch T8850 Commercial Digital Thermostat - Owner's Manual & Installation Guide</p> <p>Owner's Manual and Installation Guide for the Venstar ColorTouch T8850 commercial digital thermostat. Features include a high-resolution touch screen, Wi-Fi connectivity, scheduling, and energy management. Learn installation, setup, and operation.</p>
 <p>VENSTAR COMMERCIAL MODEL T8900 High Resolution, Touch Screen Digital Thermostat with Humidity Control and Wi-Fi Connectivity</p> <p>ColorTouch</p> <p>Owner's Manual & Installation Guide</p>	<p>Venstar T8900 Commercial Digital Thermostat: Owner's Manual & Installation Guide</p> <p>This comprehensive Owner's Manual and Installation Guide details the Venstar T8900 Commercial Model Digital Thermostat. It covers installation procedures, operational features like touch screen control and humidity management, advanced settings, Wi-Fi connectivity, and troubleshooting for commercial HVAC systems.</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 T7800 ColorTouch Digital Thermostat: Owner's Manual & Installation Guide](#)

Owner's manual and installation guide for the Venstar T7800 ColorTouch High Resolution, Touch Screen Digital Thermostat. Covers setup, features, scheduling, installation, troubleshooting, and warranty. Note: Manual reflects firmware rev. 4.04.



[Venstar T7850 ColorTouch Digital Thermostat: Owner's Manual & Installation Guide](#)

Comprehensive owner's manual and installation guide for the Venstar T7850 ColorTouch residential digital thermostat, detailing setup, operation, and troubleshooting.



[Manuel d'utilisation et d'installation du thermostat Venstar TS800 ColorTouch](#)

Guide complet pour l'installation, la configuration et l'utilisation du thermostat résidentiel Venstar TS800 avec écran tactile ColorTouch. Inclut les instructions étape par étape et les caractéristiques.