

VENSTAR®



SLIMLINE PLATINUM

COMMERCIAL PROGRAMMABLE THERMOSTAT SERIES

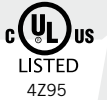


4.8" w x 4.3" h x 1.1" d

STANDARD FEATURES

- Up to 3 configurable outputs for maximum flexibility
- Heat pump compatible
- Backlit, color-coded keys and legends
- Large, easy to read backlit display
- Configurable programmable or non-programmable
- Configurable manual or auto changeover
- LED indicator glows green or red to indicate cooling or heating
- Service filter and UV light indicators
- Fahrenheit or Celsius display
- Non-volatile memory
- Keypad lock
- Accepts the IR Remote Control Accessory
- Accepts the Humidity Module Accessory
- Accepts the EZ Programmer Accessory
- Accepts the Comfort Call Telephone Accessory

Wallplates, sensors & lock ring available



MODELS:

T2700, T2800 & T2900

MODEL T2700

All of the standard features plus:

- All of the standard features
- Non-programmable with smart fan
- 2-Heat/2-Cool
- Controls to, or monitors a 2nd sensor
- Set point limiting
- Random start
- Accepts humidity module
- Up to 4 hours override

MODEL T2800

All of T2700 features plus:

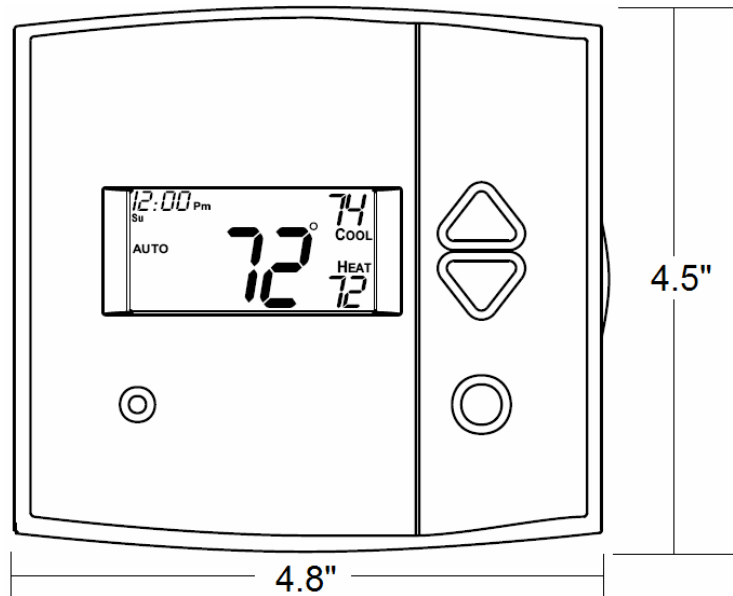
- 7-day programmable with smart fan
- Up to 3 heat, 2 cool
- Up to 3-occupied periods per day
- Hi/Low outdoor temps of the day
- Energy Save
- Holiday mode

MODEL T2900

All of T2800 features plus:

- Light activated
- Programmable output
- Economizer control
- Can average with up to 8 remote sensors
- Reheat capable
- Pre-occupancy fan purge
- Energy Watch

Venstar Programmable Thermostat T2900



STANDARD FEATURES:

- Up to 3-Occupied, 1-Unoccupied periods per day, with copy command for easy programming
- Light Activated occupied period (defeatable)
- Accepts humidification/dehumidification control module (Venstar part number ACC0430)
- Auto changeover, 3-stage heat, 2-stage cool for use with gas/electric, heat pump, electric & hydronic heat
- Configurable for manual changeover, also configurable programmable or non-programmable
- Adjustable deadbands and timers
- Control to, or monitor a second remote sensor
- Can average up to 8 (wired or wireless) remote sensors
- 3 configurable outputs for maximum flexibility (MISC1, MISC2, MISC3)
- Extra 6th and 7th outputs (beyond our standard thermostat)
- Programmable output (control by time, temperature or internet/phone control)
- Energy Watch keeps Track of energy use by tracking heating and cooling hours
- Smart Fan (keeps the fan from running during unoccupied periods)
- Smart recovery
- Pre-occupancy fan purge
- Display shows both heating an cooling setpoints and room temperature simultaneously
- All programming and setpoints stored in non-volatile memory, and are never lost in power failure
- Service filter and service UV lamp indicators
- Red/Green LED shows whether thermostat is calling for heating or cooling
- 5-minute compressor time guard and adjustable cycle limit, both defeatable for servicing equipment
- Outdoor sensor ready with high and low temperature of the day
- Thermoglow backlit electro-luminous display and backlit color coded keys and legends
- Accepts accessory IR Remote Control system (Venstar part number ACC0431)
- Accepts accessory EZ Programmer (Venstar part number ACC0432)
- For accessory locking cover use (Venstar part number ACC0620)

MODEL:	T2900	QUANTITY:		DATE:		
JOB NAME:						
LOCATION:						
BUYER:				BUYER P.O.#:		
ENGINEER:						

- Knob-adjustable OFF delay 12-390 seconds
- OFF delay purges ducts of residual air to increase efficiency

MODE OF OPERATION

Power must be applied before and during the time delay period. When the initiate contact closes, the load energizes and remains energized as long as the initiate contact is closed. The time delay begins when the initiate contact opens. At the end of the time delay period, the load is turned off. If the initiate contact recloses during the time delay period, the load remains energized and the time delay is reset to zero. Removal of the input power during the delay turns off the load and resets the time delay to zero. A one-second interrogation delay is provided to avoid nuisance trips due to thermostat bounce or tampering.

SPECIFICATIONS

Input

- **Voltage:** 18-30 VAC
- **Frequency:** 50-60 Hz

Output Ratings

- **Maximum:** 1 amp
- **Minimum:** 20 mA
- **Inrush:** 10 amps

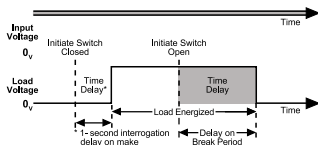
Time Delays (Adjustable Only)

- **OFF delay:** 12-390 seconds

INSTALLATION

1. Disconnect power.
2. Connect terminals as shown in the wiring diagram below.
3. Select desired delay on break period.
4. Reapply power, check operation.

TIMING DIAGRAM



WIRING DIAGRAM

