



Follow the <u>Installation Instructions</u> before proceeding. Set the thermostat mode to "OFF" prior to changing settings in setup or restoring Factory Defaults.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

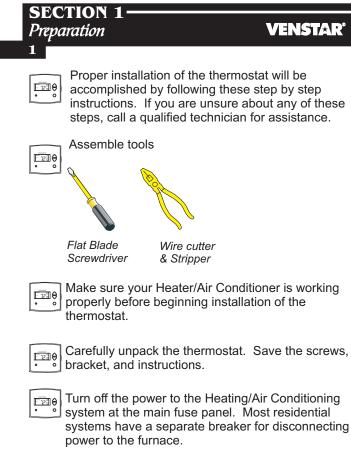


Thermostat T1700 Tested to Comply with FCC Standards FOR HOME OR OFFICE USE

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SECTION 2 *Remove & Replace the Old Thermostat* **VENSTAR** 2 Remove the cover of the old thermostat. EZI\$ If it does not come off easily check for screws. Loosen the screws holding the thermostat EZI\$ base or subbase to the wall, and lift away. Disconnect the wires from the old thermostat. E De o Tape the ends of the wires as you disconnect them, and mark them with the letter of the terminal for easy reconnection to the new thermostat. Keep the old thermostat for reference purposes, <u>₽</u> until your new thermostat is functioning properly.

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SECTION 3— *Wire Connections*

VENSTAR



If the terminal designations on your old thermostat do not match those on the new thermostat, *refer to the chart below, or the wiring diagrams that follow.*

Wire from the old thermostat terminal marked	Function	Install on the new thermostat connector marked
G or F	Fan	G
Y1, Y or C	Cooling	Y1
W1, W or H	Heating	W1/O/B
Rh, R, M, Vr, A	Power	R
С	Common	С
O/B	Rev. Valve	W1/O/B*
W2	2nd Stage Heat	W2
RS+5	Remote Sensor +5vdc	RS+5
RSGND	Remote Sensor Ground	RSGND
RS2	Remote Sensor Signal #2	RS2

* O/B is used if your system is a Heat Pump. **Page 3.1**

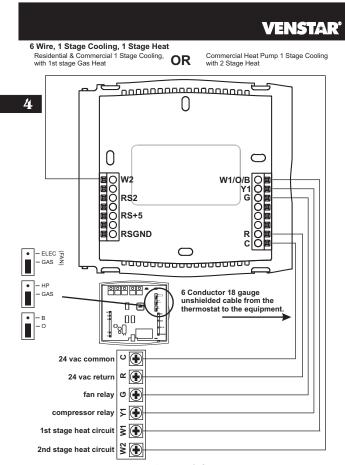
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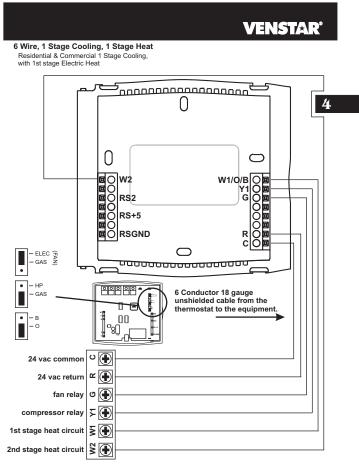
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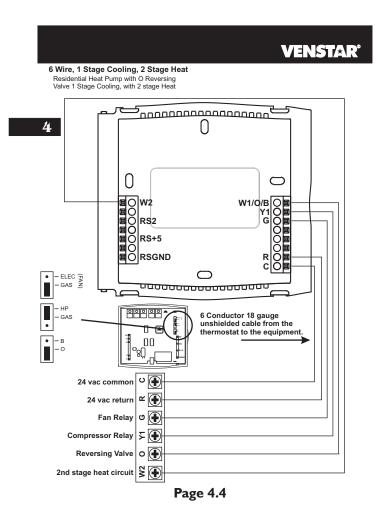
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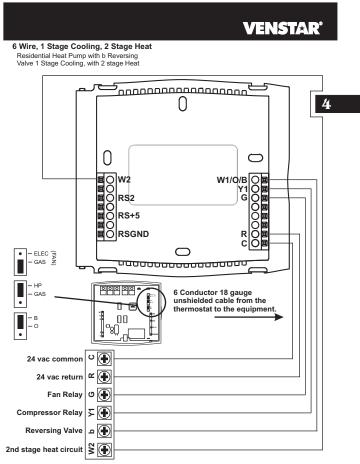


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VENSTAR[®]

Installing the Outdoor Sensor

The Outdoor Sensor measures outdoor air temperature and sends this information to the thermostat; it measures temperature with a range of -40° to 127°F.

The Outdoor Sensor should be connected to the thermostat using solid conductor CAT 5, CAT 5e, or CAT 6 type network communication cable. This is an unshielded cable with four twisted pairs of 24 gauge solid wire; *DO NOT use stranded cable*. The cable length should not exceed 250 feet. If less than 75 feet of cable is required to connect the thermostat to the Remote Sensor, a three conductor thermostat cable (18-24 gauge) may be used; this cable is NOT suitable for any length greater than 75 feet.

IMPORTANT: Do no use shielded wire. Do not run sensor wiring in the same conduit as the 24VAC thermostat wiring. Electrical interference may cause the sensor to give incorrect temperature readings.

See the Outdoor Sensor accessory for further details.

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SECTION 5 VENSTAR[®] Test Operation Turn the power on to the Heating/Air Conditioning system. 5 Press the MODE button repeatedly until the E B O HEAT icon appears on the display. Press the Up or Down buttons until the set temperature is 10 degrees above room temperature. The furnace should turn on. Press the MODE button repeatedly until the **1**230 COOL icon appears on the display. Press the Up or Down buttons until the set temperature is 10 degrees below room temperature. The air conditioner should turn on. NOTE: Most equipment has a time delay of 5 minutes between cool cycles. This feature is defeatable on the thermostat. Consult the Owner's Manual under Setup, cycles per hour. Press the UP button until the setpoint is equal to EZIQ the room temperature. Press the FAN button to Fan On. The fan should turn on and run continuously.

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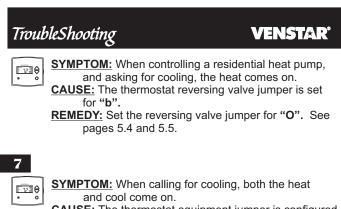
SECTION 6-Calibrating the Thermostat Sensors **VENSTAR**[°] Under normal circumstances it will not be necessary to adjust the calibration of the temperature and humidity sensors. If calibration is required, please contact a trained HVAC technician to correctly perform the following procedure. 0 12:00 pm 6 Place the thermostat in the OFF mode. MODE (OFF 2 10:00 Am Program On StartStop Setup Press and hold the MODE button. While holding the MODE button, press and hold the FAN button for 5 seconds. All icons will appear on the display. nr MODE (Service Filte AUTO OFFOI FAN (Dayl Ever Fan B PRESS THERMOSTAT SENSOR Press the UP and DOWN buttons at the same time twice. The thermostat temperature will be displayed and may be calibrated using the UP or DOWN buttons. 6 CALIBRATE TWICE

After calibration is complete, press the MODE button $\ensuremath{\textbf{once}}$ to return to normal operation.

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SECTI TroubleS		VENSTAR	
		ner lockout may prevent the ming on, for a period of time. r's Manual in the Setup ycles per hour and	
		er. is turned on to the furnace ac between R & W . If C is	
	<u>MPTOM:</u> The air condition turn on. <u>USE:</u> The cooling setpoin <u>MEDY:</u> Consult the Owne section to lower the co	t is set too high. r's Manual in the Setup	
	MPTOM: The heating doe USE: The heating setpoir MEDY: Consult the Owne section to raise the heat	it is set too low. r's Manual in the Setup	

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<u>CAUSE:</u> The thermostat equipment jumper is configured for "HP" and the HVAC unit is a Gas/Electric. **<u>REMEDY:</u>** Set the equipment jumper for "Gas". See

pages 5.2 and 5.3.

P/N 88-596 Rev. 1