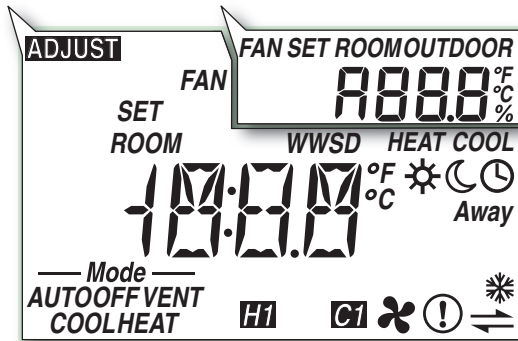


Congratulations on the purchase of your tekmar Thermostat 530, an important part of your home comfort system. A tekmarNet® system combines information from each tekmarNet® device in your home, using it to optimize both system efficiency and occupant comfort. This brochure will provide you with the information you need to benefit the most from your tekmarNet® thermostat.

1. Display

MAIN DISPLAY

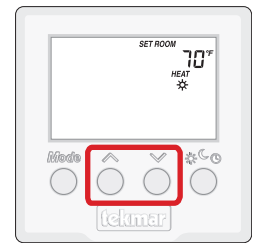
SECONDARY DISPLAY



	Heat Heat is turned on.
	Cool Cooling is turned on.
	Fan Fan is turned on.
	Sun Operating at the occupied (day) temperature.
	Moon Operating at the unoccupied (night) temperature.
	Clock Operating on a programmable schedule.
<i>Away</i>	Away Operating at the Away scene temperature.
<i>WWSD</i>	Warm Weather Shut Down Heating system has shut off for the summer.
	tN2 Communication Communication is present.
	Warning Signal Indicates an error is present. Refer to thermostat I/O manual (D527) for troubleshooting guide.
	Cooling Group Master Thermostat is operating the cooling for a group of thermostats in the tekmarNet system.

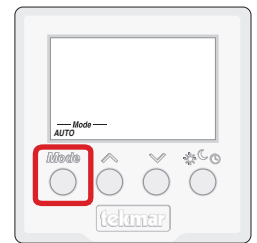
2. Change the Current Temperature

- Press the or the button to select the desired room temperature. The display indicates whether the “HEAT” or the “COOL” temperature is being changed.
- The “HEAT” and “COOL” settings cannot be programmed closer than 3°F (1.5°C) apart. For example, if HEAT setting is moved within 3°F of the COOL setting, the COOL setting will shift upwards to maintain the 3°F difference.
- While in Auto Mode:** After the or buttons are used to change the temperature, the Mode button can be pressed to toggle between “HEAT” or “COOL” temperature adjustment.
- Flashing *Away* indicates that the temperature cannot be changed. This is due to a Scene having been set. See “Scenes” on page 2 for details. Use a User Switch to return to or .



3. Change between Heat, Cool or Ventilation

- The Mode button selects between Heat, Auto, Cool, Vent and Off.
- When in Off Mode, the thermostat will allow heating only for freeze protection if the room temperature drops below 40°F.



Modes of Operation

Mode	Heat Operation	Cool Operation	Fan Operation
— Mode — HEAT	✓	—	Maybe*
— Mode — AUTO **	✓	✓	✓
— Mode — COOL	—	✓	✓
— Mode — VENT	—	—	✓
— Mode — OFF	—	—	—

* If Fan Mode = 2 (See thermostat I/O Manual D527)

There is a 30 minute waiting time to switch between heating to cooling, and between cooling to heating.

4. Temperatures (* and ℄)

The Thermostat 530 has two adjustable temperatures: Occupied (*) and Unoccupied (℄). They are adjusted as follows:

- To change the * temperature, press the * ℄ button until * is displayed. Then press the ^ or v button.
- To change the ℄ temperature, press the * ℄ button until ℄ is displayed. Then press the ^ or v button.

Below are several easy ways to change between * and ℄:

A. Schedules (Requires Timer 033)

Schedules are an energy-saving feature. A Timer 033 will automatically change thermostats between the * and ℄.

- Program the Timer 033 with the current time and desired operating schedule.
- Press the thermostat's Local Override (* ℄) button to select the ℄ to operate on a programmable schedule.
- The 530 automatically changes between the * and ℄ temperature based upon the schedule device's program.
- If a ℄ symbol does not appear, there is no schedule device connected to the system.

B. Local Overrides

A Local Override is a change between the * and ℄ temperatures directly at the thermostat. The Local Override (* ℄) button can be used to override any schedule.

- Press the * ℄ button to toggle between *, ℄, and ℄ (if available).
- The thermostat remains at the selected * or ℄ override temperature until manually changed back to the schedule (℄) by using the Local Override button.

C. Scenes (Requires a User Switch 479)

A Scene is a system-wide manual override activated by a User Switch 479. A User Switch provides convenient one-touch temperature adjustment of all thermostats on the system. It will override any programmable schedule or Local Override.

- When the User Switch button is pressed, all thermostats may change to either the *, ℄, or **Away** temperature.
- **Away** is used for long absences from the building such as a vacation.
- While in the **Away** scene, the room temperature cannot be changed using the ^ or v buttons. Use the User Switch to change the Scene from **Away** to * or ℄ to change the temperature.

To return to a programmable schedule from a Scene, select the * (Top Button) on the User Switch 479.

Temperature Indicators

Display	Action
☀	Manual override at occupied temperature.
☾	Manual override at unoccupied temperature.
☀ ⌚	Programmable schedule at occupied temperature.
☾ ⌚	Programmable schedule at unoccupied temperature.

5. °F or °C

- Press and hold down the ^ and v buttons together.
- Release the buttons once °F or °C is displayed.
- Press the ^ button for °C, press the v button for °F.
- Wait for display to return to normal operation.

6. Outdoor Temperature

When an outdoor sensor is connected on the system, the outdoor temperature is displayed in the top right corner of the display.

7. Cooling Group Master

- This thermostat can operate the cooling for a group of heating thermostats that are "Cool Group Members".
- Cool Group Master is indicated by a permanent ☀ icon in the thermostat display.
- When set to Cool Mode, or cooling in Auto Mode, all cool group thermostats stop air heating.

8. Ventilation

If Mode is set to Vent, only the fan is controlled to circulate air. No heating or cooling will occur.

- To change the fan operation for Vent Mode, press the * ℄ button until * is displayed.
- Press the ^ or v button to select between "On" and "Auto". Repeat for the ℄ Fan operation.
- For continuous circulation set to "On".
- For minimum circulation set to "Auto".

For more advanced Vent settings, please refer to the thermostat Installation and Operation Manual D527.

9. Backlight

- Press and hold down the ^ and v buttons together.
- Release the buttons once "lite" is on display.
- Press the ^ or v button to select Off, 30 second, or On.

10. Error Messages ⓘ

- Contact your installer or read the Installation and Operation Manual D 527 for more information.
- Download the D 527 Installation and Operation Manual from www.tekmarcontrols.com/literature/d.html.