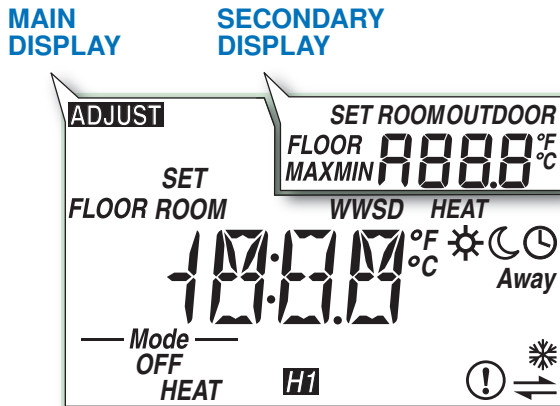


Congratulations on the purchase of your tekmar Thermostat 528, an important part of your home comfort system. A tekmarNet® system combines information from each tekmarNet® device in your home, using it to optimize both system efficiency and occupant comfort. This brochure will provide you with the information you need to benefit the most from your tekmarNet® thermostat.

## 1. Display

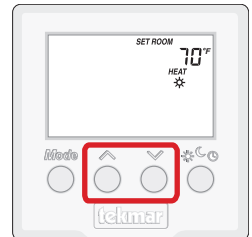


	<b>Heat</b> Heat is turned on.
	<b>Sun</b> Operating at the occupied (day) temperature.
	<b>Moon</b> Operating at the unoccupied (night) temperature.
	<b>Clock</b> Operating on a programmable schedule.
<i>Away</i>	<b>Away</b> Operating at the Away scene temperature.
<i>WWS D</i>	<b>Warm Weather Shut Down</b> The heating system has been shut off for the summer.
	<b>tN2 Communication</b> Communication is present.
	<b>Warning Signal</b> Indicates an error is present. Refer to thermostat I/O Manual (D527) for troubleshooting guide.
	<b>Cooling Group Member</b> Heating is turned off to allow cooling.

## 2. Change the Current Temperature

This thermostat can operate in three different ways based on how it was installed:

Press the or the button to adjust the room or floor temperature.

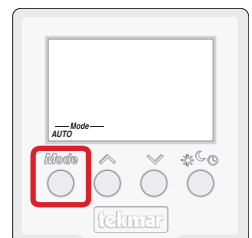


- Room Heating** - Built-in air sensor controls room temperature. Floor sensor is not used.
  - Floor Warming** - Floor sensor controls floor temperature. Built-in air sensor is not used. Thermostat will show Floor on the display when operating in Floor Warming.
  - Room Heating and Floor Warming:** Built-in air sensor controls room temperature. Floor sensor limits floor minimum and maximum temperature and can override the room temperature.
- 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 .
  - Flashing **WWS D** (warm weather shut down) indicates that the heating system has been shut off for the summer.

## 3. Change between Heat or Off

The Mode button selects between Heat or Off.

- Off Mode turns off room heating and floor warming and only allows heating for freeze protection.



## 4. Temperatures ( \* and ℄ )

The Thermostat 528 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. Schedule (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 528 automatically changes between the \* and ℄ temperature based upon the schedule device's program.
- If a ℄ symbol does not appear while pressing ( \* ℄ ), 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 or to this thermostat, the outdoor temperature is displayed in the top right corner of the display.

## 7. Cooling Group

- This thermostat can be part of a cooling group. A cool group is operated by a cooling master thermostat.
- If the thermostat temperature is adjusted while the cool master is cooling, a flashing \* icon appears in the display to show that the thermostat is part of a cooling group, and will not operate heating until cooling is no longer required.
- When the cool master is operating the cooling system, heating on this thermostat will be prevented until 30 minutes after cooling is finished.
- If a floor sensor is connected, a floor minimum temperature can still be maintained.

## 8. 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.

## 9. Error Messages ⓘ

- Contact your installer or read the Installation and Operation Manual D527 for more information.
- Download the D527 Installation and Operation Manual from [www.tekmarcontrols.com/literature/d.html](http://www.tekmarcontrols.com/literature/d.html).