



Operating Modes and Settings

- **Standard Mode** - The controller adjusts the water heater to maintain the temperature set by the user.
- **Energy Smart Mode** - The controller adjusts the water temperature to the lowest temperature required to meet the household demands. This mode minimizes operating costs. The controller will not adjust the temperature higher than the user's selected set point or lower than 115°F.
- **Vacation Setting** - The controller adjusts the water temperature to approximately 80°F. This setting is recommended when the water heater is not in use for a long period of time. This effectively turns the water heater down to a setting that prevents the water from freezing.



Diagnostic Status Light Code

No status light indicates a control off or the pilot is out.

Standard Flashes:

1 Flashes	Indicates Normal Operation
2 Flashes	Indicates Thermopile Voltage Low
3 Flashes	Indicates Valve or Sensor Failure
4 Flashes	Indicates Overheat Failure
5 Flashes	Indicates Lower Sensor Failure
6 Flashes	Indicates Upper Sensor Failure
7 Flashes	Indicates Electronic Control Failure
8 Flashes	Indicates Valve Failure
Continuous Solid Flash	Indicates system shutdown

NOTE: If the pilot lights, but will only stay lit with the knob depressed in the pilot position, look for the following status light codes.

6 Second Solid Light followed by:

4 Flashes	The unit will not relight because it detects an overheat failure.
7 Flashes	The unit will not relight because it detects an electronic control failure.
8 Flashes	The unit will not relight because it detects a valve failure.

6 Second Solid Light with combinations of:

4 + 7 Flashes*	The unit will not relight because it detects an overheat failure and an electronic control failure.
4 + 8 Flashes*	The unit will not relight because it detects an overheat failure and a valve failure.
7 + 8 Flashes*	The unit will not relight because it detects an electronic control failure and a valve failure.
4 + 7 + 8 Flashes*	The unit will not relight because it detects an overheat failure, an electronic control failure and a valve failure.

* Flashes are displayed at 1 second apart and a 3 second pause between combinations.