

Residential

Comverge Thermostat
Quick Reference Guide



Thank you for taking an active role in helping reduce our region's demand for electricity during the summer.

Participating in SMECO CoolSentry, our central air conditioning cycling program, lets valuable customers like you save energy—and money—while protecting the environment during the hot summer months.

As a SMECO CoolSentry participant, you are helping to reduce the consumption of high-cost fossil fuel and doing your share to help SMECO protect our environment.

To learn more, please visit our Web site: www.SMECO.coop/CoolSentry or call **866-921-9474**.

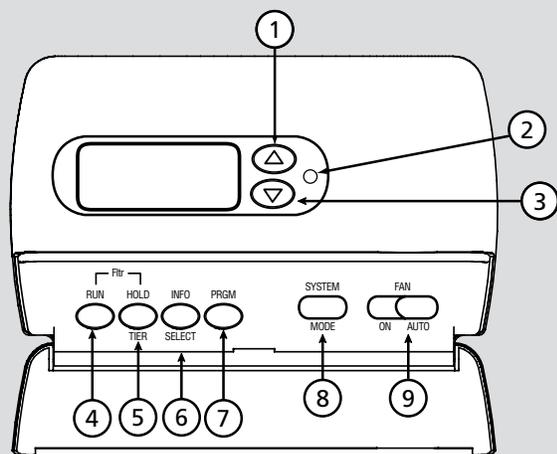
Installed by: _____

Number of Thermostats: _____

Date: _____

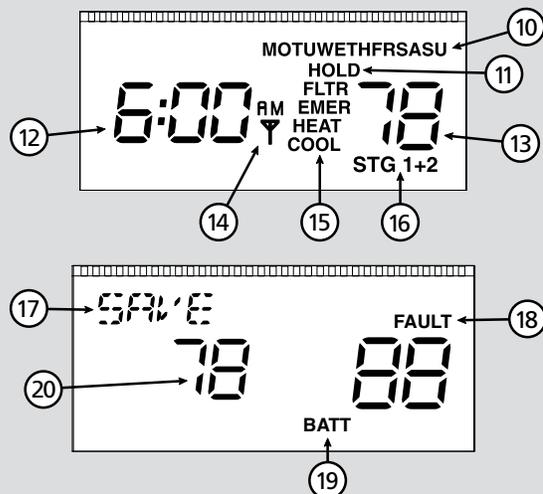
Comments: _____

SMECO CoolSentry Programmable Thermostat Instructions



PROGRAMMING KEYS

The functions that appear below the buttons (SELECT, MODE) become active when you press PRGM to enter programming mode. Otherwise, these keys perform their alternate functions, which appear above the keys.



Getting to know your SMECO CoolSentry Programmable Thermostat

The thermostat buttons and switches

- ① Raises the temperature setting.
- ② Lights to indicate that a curtailment event is occurring or will occur soon.
- ③ Lowers the temperature setting.
- ④ RUN button – Runs your heating or cooling program.
- ⑤ HOLD / TIER button – In normal mode, sets a temperature hold. (Note: TIER functionality is not currently used.)
- ⑥ INFO / SELECT button – In normal mode, displays the information screen (if available). In programming mode, switches between temperature setpoint and period start time.
- ⑦ PRGM button – Enters thermostat programming mode.
- ⑧ SYSTEM / MODE button – During normal operation, selects the system mode. (See #15 for description of system modes.) In programming mode, switches between heating and cooling programs.
- ⑨ FAN switch - ON means fan is always on. AUTO means fan runs when the compressor or furnace runs.

The display

- ⑩ Indicates day of the week.
- ⑪ Indicates a system hold is in effect. Flashing **HOLD** indicates a temporary hold. Solid (not flashing) **HOLD** indicates a permanent hold.
- ⑫ Displays the current time. Press up or down arrow button once, or **RUN** button, to display the current temperature setpoint, as shown above in ⑳.
- ⑬ Displays the current room temperature.
- ⑭ Solid (not flashing) antenna icon indicates the system is in recovery from a curtailment event. Icon disappears when the programmed temperature is reached. Flashing antenna icon indicates remote communication to the thermostat, such as web programming, has occurred. Press any key to turn off the display.
- ⑮ Indicates current system mode: **HEAT** for heat mode, **COOL** for cool mode, **HEAT** and **COOL** for auto-changeover mode, or **EMER** for emergency heat mode. (Note: **EMER** is available only if you have a heat pump system.) Displays **FLTR** (in addition to the mode) as a reminder when the system filter needs to be changed. Press **RUN** and **HOLD** together to turn off the **FLTR** reminder.
- ⑯ Displays **STG 1** when the first stage of heat or cool is running. Displays **STG 1+2** when the first and second stage of heat or cool is running. (Note: +2 does not display for single stage systems.)
- ⑰ Displays current period of the day (**MOR**, **DAY**, **EVE** or **NHT**). Alternates with **SAVE** during curtailment events and **AUX** if your auxiliary heat is turned on. (Note: **AUX** applies to heat pump systems only.)
- ⑱ Indicates a communications failure. Does not indicate a problem with the thermostat.
- ⑲ Displays **BATT** when the 2 AA batteries are low and should be replaced.
- ⑳ Indicates the current temperature setpoint.

Programming heating/cooling

1. Press **PRGM** twice. The thermostat enters **cooling** programming mode (COOL displays). If you want to program heating, press **MODE** (HEAT displays).

Programming starts with the weekday schedule. The programmed temperature for the first period (MOR) flashes.
2. Press $\text{\textcircled{\uparrow}}$ or $\text{\textcircled{\downarrow}}$ to select the desired temperature for the MOR period.
3. Press **SELECT**. The programmed start time for the MOR period flashes.
4. Press $\text{\textcircled{\uparrow}}$ or $\text{\textcircled{\downarrow}}$ to select the desired start time for the MOR period. The time changes in 15 minute increments.
5. Press **SELECT** to change back to the temperature flashing first before changing to the next time of day period.
6. Press **PRGM** to move on to the next period (DAY). The programmed temperature for the DAY period flashes.
7. Repeat steps 2-5 to select the temperature and start time for the DAY period.
8. Press **PRGM** and repeat steps 2-5 for the EVE and NHT periods.
9. Press **PRGM** to move on to the weekend schedule.
10. Repeat steps 2-8 to program the periods of the day for the weekend schedule.
11. If you want to program any days of the week individually, press **PRGM** one or more times to select the day you want to program. The individual day schedule overrides the weekday or weekend schedule for the selected day.
12. Repeat steps 2-8 to program the selected day.
13. Repeat for any additional days you want to program individually.
14. Press **RUN** when you are done programming.

Your thermostat is now ready to provide maximum comfort and efficiency.

Batteries: Batteries are not required to keep your programming data. With 2 optional AA batteries installed, your thermostat will maintain the day and time and will continuously display the room temperature during a loss of AC power.

Clock: The clock on your thermostat is updated automatically every 24 hours by the system. As long as your thermostat has functioning batteries, you should not need to change the time setting.

Hints:

- If you don't want to program a particular day or group, you can skip it. Press **PRGM** one or more times until you reach the desired day or group.
- If you want to program the days in a group basically the same with only slight differences, program the group first, then program individual days as needed. The individual day program overrides the group program.
- At any point in the programming process, you can switch between heating and cooling programs by pressing **MODE**.

If the temperature shows "--" while in the programming mode for a group of days, it indicates that at least one of the days in the group has a different temperature program than the other days. If the time shows "--:--" while in the programming mode for a group, it indicates that at least one of the days in the group has a different period start time than the other days. To find out which one is different, press **PRGM** to cycle through the individual days. You can make the setting the same for all the days within the group by changing the item (setpoint or time).

Periods of the Day

Your thermostat allows you to program 4 different periods of the day. You select the start time and temperature for each period.

- MOR (Morning)
- DAY
- EVE (Evening)
- NHT (Night)

Press **PRGM** to cycle through the periods.

Day of the Week Groups

You can program days of the week individually or in groups, to create heating and cooling programs that work with your schedule.

- Weekday schedule – Programs all 5 weekdays together (displays as MO TU WE TH FR)
- Weekend schedule – Programs Saturday and Sunday together (displays as SA SU)
- Individual day schedule

Each day or group includes the 4 periods described above.

Press **PRGM** to cycle through the days and periods.

Call for Assistance
866-921-9474

SMECO
Southern Maryland Electric Cooperative

Frequently Asked Questions About the SMECO CoolSentry Thermostat

Will SMECO CoolSentry affect my comfort level?

During the course of a conservation event, the typical temperature in your home may rise a few degrees, a change most customers in similar programs report they do not notice.

How will I know when a SMECO CoolSentry conservation event is occurring?

Check your programmable thermostat. When a conservation event occurs, the LED will illuminate for the duration of the event and the display will read “SAVE” when energy conservation is taking place.

How often will SMECO CoolSentry events occur?

Conservation events will only occur during times of peak electricity demand, generally on extremely hot weekday afternoons (between 1 p.m. and 8 p.m.) from June 1 through September 30. You can expect about 100 hours of events per season. The number of events can vary and an event can last up to 6 hours. Typically, the program is not activated on weekends or holidays unless there is a system peak or emergency.

What causes “times of peak electricity demand”?

Peak demand times occur when everyone uses a lot of electricity at the same time. The frequency of peak demand periods has increased as our population and the use of electric appliances have grown—and both have grown tremendously in Southern Maryland over the past 30 years.

Will I be able to choose not to participate in any single conservation event?

Yes. Should you decide to do so, simply call 866-921-9474 and speak with a SMECO CoolSentry customer service representative.

How will I save more money with SMECO CoolSentry?

Your programmable thermostat could help you save up to 10% off your annual heating/cooling bills.* In addition, you will earn \$50 for your full participation over the cooling season—that’s \$25 more than participants with central air conditioning earned on the previous Load Management program!

Whom do I call if I need help?

SMECO has contracted with Comverge, Inc. to administer the program. Should you ever have a question or concern about your participation in SMECO CoolSentry, call Comverge toll-free at 866-921-9474, Monday through Friday, 8 a.m. to 6 p.m. for prompt customer service and technical assistance.

For more Frequently Asked Questions, please go to www.SMECO.coop/CoolSentry or call **866-921-9474**.



* U.S. Department of Energy