



Omnistat2 Technical Sheet

OMNISTAT/2

Omnistat2 - HAI's Newest Generation of Energy Efficient Thermostats

The Omnistat2 thermostats are the latest generation of programmable communicating thermostats. They combine HAI's 20+ years as a leader in energy management to provide sophisticated and intelligent function in an easy to use device.

According to the Alliance to Save Energy, up to half of your energy bill is just for heating and cooling. The best way to control your energy cost is by managing your heating and cooling system. The Omnistat2 automatically adjusts the temperature for you; so you can do less and save more!

“Save up to 10% a year with a programmable thermostat that automatically adjusts the temperature...for the hours that the house is unoccupied.”

- Alliance to Save Energy

Easy to use

- Using advanced digital technology, your Omnistat2 “learns” your home’s heating and cooling patterns and adjusts control to maximize both your HVAC’s efficiency and your family’s comfort.
- The backlight comes to life as the Omnistat2 is approached, making it easy to adjust at night.
- To adjust the temperature, simply turn the scroll wheel to the right or left.
- Three buttons facilitate easy to navigate menus to display information such as temperature setpoints, modes, outdoor temperature and humidity, run time by week, and more!
- Select either a simple or advanced display.

Comfort has never looked so good

The Omnistat2 has three different color options, Black, Silver, and White, in order to match nearly any décor.

Additionally, you may select the custom backlight color. Change the backlighting from Blue to Red or any color in between with the turn of the scroll wheel.



Silver Omnistat2 showing simple display and Blue backlight.

Omnistat2 Features...

Comfort

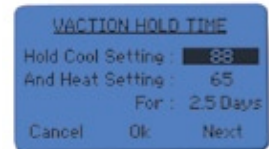
Supports conventional and heat pump systems and dual fuel with 2nd stage auxiliary heat.

Supports one external temperature sensor for indoor or outdoor.

- Digital precise temperature control
- Automatic heat/cool changeover
- Fan cycle mode periodically circulates air for comfort
- Displays outdoor temperature and humidity (optional)
- Indoor sensor averaging with remote sensor
- Humidity Control (RC-2000 Only)
- Does not need batteries to retain settings and time

Energy Management

- Learns how your home heats and cools to intelligently control the equipment for efficiency and comfort
- Graphical display of HVAC usage by week
- 7 day schedule with copy function
- Automatic temperature setbacks for Home, Night, Away, and Vacation when integrated with an HAI home control system
- Filter reminder for peak efficiency
- Built-in vacation mode feature - restores temperatures before arriving home



Communication

- Communicates with HAI home control systems and other manufacturer's automation systems
- Remote access via Internet and telephone (optional)
- Expansion port for wireless communication

Style

- Available in Black, Silver, and White
- Multi-color backlight (over 100 colors) - adjustable at any time
- Choose between a simple or advanced display, based upon what information you want to view
- Proximity/motion detector, screen lights up when approached

RC-2000 Omnistat2 Multistage & Heat Pump with Humidity Control



The RC-2000 has all of the features of the RC-1000 plus:

- Humidity sensing and display
- Humidifier control
- Dehumidifier control
- Supports 2 stage conventional and 2 stage heat pump with 3rd stage auxiliary heat

- Single Stage:
Gas, Oil, Steam, Hydronic, Forced Air, Radiant, Electric
- 2 Stage:
Conventional, Variable Speed Fan with Traditional Air to Air heat pumps or Geothermal
- 2 Speed Heat Pumps*
- Dual Fuel Heat Pumps*

Order Thermostat in Desired Color:

- Black **RC-2000BL**
- Silver **RC-2000SL**
- White **RC-2000WH**

RC-1000 Omnistat2 Single Stage Conventional & Heat Pump



- Single Stage:
Gas, Oil, Steam, Hydronic, Forced Air, Radiant, Electric
- 2 Speed Heat Pumps*
- Dual Fuel Heat Pumps*

Order Thermostat in Desired Color:

- Black **RC-1000BL**
- Silver **RC-1000SL**
- White **RC-1000WH**

* All systems have the ability to control auxiliary heat, except when used with dual fuel.



“The average home spends about \$1900 annually on energy bills. Heating and cooling accounts for as much as half of a home’s energy usage.”
 - ENERGY STAR®

Planning Ahead...

Easily monitor your home’s energy usage with graphs and reports, including real-time energy costs and bills!

Omnistat2 models include the ability to communicate with your utility company for load shedding applications, and the ability to view real-time energy bills, graphical displays of energy cost per week, and current energy cost.*

Smart Metering...

As more utility companies begin to use smart metering systems, HAI leads the way with the Omnistat2.

Advanced interaction between your home and your utility company can result in reduced energy usage and bills! Contact your local utility company to encourage their participation.



*Displays Energy Details such as current cost as provided by your utility company.**




*Displays Energy Setbacks for medium, high, and critical energy rates. These automatic temperature setbacks allow you to save money on energy bills if rates were to change.**



*This graph allows you to monitor your Energy Cost, broken down by a specified time determined by your energy company.**

* These features require participation from utility company and may require additional equipment or upgrades.

HAI Omnistat2 Parts List

THERMOSTATS		ACCESSORIES	
Models	Part #	Description	Part #
Omnistat2 Single Stage Conventional & Heat Pump		Omnistat2 Ethernet Module	65A09-1
Black	RC-1000BL	Omnistat2 Remote Sensor Module	65A12-1
Silver	RC-1000SL	Omnistat2 Zigbee® Module	65A10-1
White	RC-1000WH	Omnistat2 Zigbee® Transceiver	65A13-1
Omnistat2 Multistage & Heat Pump with Humidity Control		Surface Mount Remote Indoor Temp Sensor	23A00-1
Black	RC-2000BL	Flush Mount Remote Indoor Temp Sensor	23A00-2
Silver	RC-2000SL	Thermostat Isolation Module	29A00-1
White	RC2000-WH	Thermostat Power Supply Module	30A00-1
<p>“ If just one household in ten switched to ENERGY STAR® programmable thermostats [such as any model in HAI's Omnistat family] the change would prevent more than 17 billion pounds of greenhouse gases. ”</p> <p>- ENERGY STAR®</p> 		Water Temperature Sensor	14A00-8
		Extended Range Indoor/Outdoor Temperature Sensor	31A00-7
		Extended Range Indoor/Outdoor Temperature & Humidity Sensor	31A00-8
		PESM	1101A

Product Dimensions	
RC-1000 and RC-2000	5 1/2" W x 3 5/8" H x 1 1/8" D