sen|si™ Connect to Comfort



SENSI™ TOUCH SMART THERMOSTAT

Manual Operation

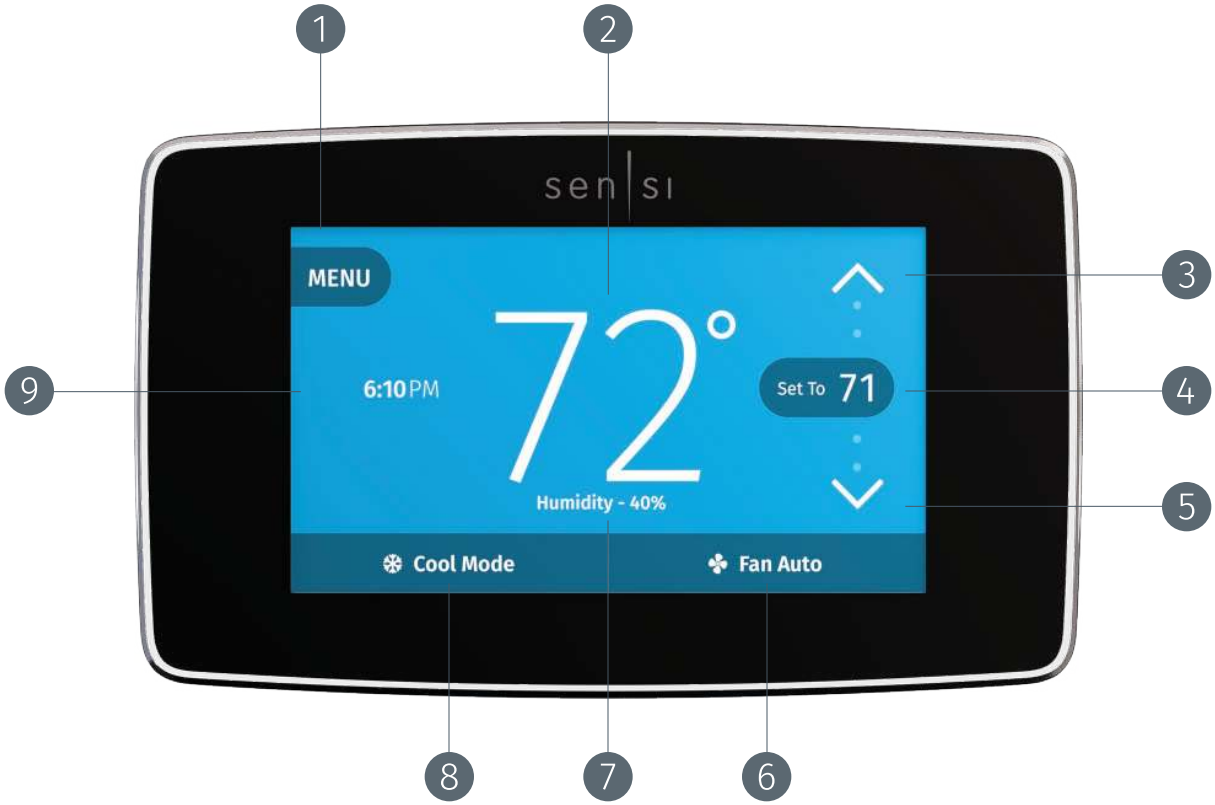
Models: 1F95U-42WF series, ST75 series, NH-AWIFI, OH-AWIFI
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Table of Contents

Buttons and Icons	3
Basic Functionality	4
Menu Settings	5
Installation	10

The Sensi Touch Smart Thermostat can be operated through Wi-Fi using the Sensi app or it can be operated at the actual wall unit. Advanced features such as thermostat settings, scheduling and email alerts are only available through the Sensi app.



1 **MENU**
Access thermostat configurations.(See page 5 for more details).

2 **CURRENT ROOM TEMPERATURE**
The room temperature at the thermostat.

3 **UP ARROW**
Adjusts the temperature set point or thermostat configuration.

4 **CURRENT SET TEMPERATURE**
Current set temperature the thermostat will maintain.

5 **DOWN ARROW**
Adjusts the temperature set point or thermostat configuration.

6 **FAN**
Switches fan mode from Auto or On. Leave the fan mode on Auto to allow the thermostat to control the fan as necessary.

7 **HUMIDITY**
Displays current humidity

8 **MODE**
Switches system mode between Heat, Cool, Off, Aux or Auto.

9 **TIME**
DIsplays current time.

Switching system mode

Press the mode button (see buttons and icons) to switch between all available system mode settings. When the mode is “Off” the thermostat will not bring on your heating or cooling systems.



Fan mode

If you want to circulate the indoor blower, you can switch fan mode to “On.” Turn the fan back to “Auto” when you want the thermostat to control your indoor blower as necessary. Leaving the fan in “On” will run your blower continuously.

Holding one temperature

If you want to hold one temperature, turn Schedule “Off.” Then, adjust the set point using the up and down arrow buttons. The thermostat will hold this temperature, in the set system mode, until you turn Schedule back “On” or until you adjust the set point again using the up and down arrow buttons.

Temporary hold

When your Schedule is “On,” your Sensi thermostat controls your home based on the time and temperature settings in the current schedule. To temporarily change your temperature, use the up and down arrows in the app or on the thermostat. Your Sensi thermostat will display the time it will hold for next to the set temperature. It will hold your new temperature until the next scheduled set point with a minimum hold time of two hours.



Menu settings

You can access several settings and options about your thermostat in the menu.



Note: The “Time Setup” sub menu will only be available when Wi-Fi is turned “off.”

Sleep Mode

You have the option to display the room temperature even when the Sensi Touch screen goes to sleep. Simply toggle your selection from this menu.

Back Glow

This light can be used to help you see your wiring and terminals when installing the thermostat on the wall. The switch is on the thermostat base. Be sure to turn the light to “off” before snapping the thermostat face to the base.

After installation, you have the option to toggle the back glow on and off from the thermostat menu to help light the area near the thermostat.

Note: The back glow switch on the thermostat base must be in the “off” position for this feature to work via the thermostat menu.

Home Screen Content

Toggle what you want to see on the display from this menu. You can display the current time, humidity or change from Fahrenheit to Celsius.



Wi-Fi

The Sensi app will instruct you how to connect Sensi to Wi-Fi. You can also turn Wi-Fi on or off at any time.

Turn Wi-Fi Off

If connecting to Wi-Fi is not an option, turn off Wi-Fi on the thermostat and manually set a time and a schedule from the unit.

- Press Menu.
- Press Wi-Fi.
- Toggle Wi-Fi “Off.”
- Press the back arrow to return to the main screen.



Schedule

If your Sensi Touch is connected to Wi-Fi, the schedule is programmed based on time and temperature set points from the Sensi app. If you are not connected to Wi-Fi, you can set a basic schedule with 4 points from the unit.

Setting a schedule on the unit

- Turn Wi-Fi “Off.” (See page X.)
- Go back to the main menu options.
- Select “Schedule.”
- Make sure “Schedule” is toggled “On.”
- Select which day grouping you want to edit: weekdays or weekend.
- Select which set point you want to edit.
- Adjust the set point using the up and down arrows.
- “Save” when you have the set point to your desired time and temperature.
- Use the arrow in the upper left hand corner to return to the set points.
- Continue to edit the set points as you desire.
- Use the arrow in the upper left hand corner to return to “Schedule” screen.







Time setup

If you have Wi-Fi turned “Off” you will be able to set the date and time on the thermostat. If you’re going to connect Sensi to Wi-Fi, the date and time will be automatically generated based on your time zone.

- Select the date or time to edit them.
- Adjust the date or time using the up and down arrow buttons.
- Press “Save” when you’re done.
- Use the arrow in the upper left hand corner to return to the previous screen.







About thermostat

This menu displays a quick glance at your thermostat information. It includes your model number, MAC ID (uniquely identifies your thermostat), build date, firmware version, technical support contact information, and a factory reset button.

Pressing the factory reset button will change all settings back to default (except for the HVAC Equipment settings) and clear any HomeKit pairing so someone else can connect the Sensi Touch to Wi-Fi.



Advanced Set Up

Here you can check the HVAC settings, set the Circulating Fan feature and adjust your humidification settings, if you have an accessory installed. (Humidification set up is recommended for a contractor only.)

Circulating Fan

Here you can set the Circulating Fan Feature. If you want to circulate the air in your home using your indoor blower fan, you can set this feature in the app or at the thermostat. A percentage is selected to indicate how often the fan should run each hour, You can set 5% increments from 10% – 100%.

EXAMPLE:

If you set the Circulating Fan to 50%, the fan will run 30 minutes every hour.

If any heat/cool cycles occur during the hour, their runtime is subtracted from the overall fan run time.





Setting the feature from the thermostat:

1. Press Menu
2. Press Advanced Setup
3. Press Fan Mode Options
4. Toggle Circulating Fan on
5. Use the up or down arrow button to set the percentage you want the fan to run per hour
6. Press the back arrow button until you're back at the main screen

Set up HVAC equipment

This allows you to change a series of settings to customize the thermostat for your specific system. Refer to the chart below for a complete listing of thermostat configurations and what they stand for. If you are installing the thermostat on the wall for the first time, we highly recommend that you download the Sensi app and follow the installation instructions.

However, if you are experiencing an issue or you want to check your system configurations, you can manually configure your thermostat as well. Learn more about how to properly configure your thermostat by searching “configure” on our support site at sensi.emerson.com/en-us/support.

CONFIGURATION MENU ITEMS REFERENCE		
Menu item	Default	Options
Sleep Mode	Off	Turn sleep display mode on/off
Backglow	Off	Off / On
Home Screen Content	On	Indoor Humidity
	On	Time of Day
	°F	°F / °C
Schedule	-	5 / 2 Day Schedule
Wi-Fi	-	Connect to Wi-Fi
About Thermostat	-	Model Number/Reset
Advanced Setup		HVAC Equipment | Fan Mode Options
Set Up HVAC Equipment	AC2	Outdoor Setup AC1/AC2/HP1/HP2/None
	EL2	Indoor Setup GA1/GA2/EL1/EL2/Fan
	O	Reversing Valve Position O/B/6/None
	None	Additional Accessories None/Add
	No	Humidifier (wired to thermostat) Yes/No
	No	Dehumidifier (wired to thermostat) Yes/No
Fan Mode Options	Off	Circulating Fan Off/On 10% - 100% (5% increments)
Humidify	Off 40%	Humidification Off/On 5%- 50% (5% increments)
Dehumidify	Off 50%	Dehumidification Off/On 40% - 95% (5% increments)

See below for definitions of the wiring terminals on the sub-base of the thermostat.

Terminal outputs and wiring diagrams

TERMINAL LABEL	DEFINITION
RH*	Power for heating, 24V
RC*	Power for cooling, 24V
C**	Common wire, 24V
G	Indoor blower (fan)
Y	First outdoor stage cooling on conventional systems or first heat and cool on heat pump systems
Y2/*	Second outdoor stage cooling on conventional systems or second heat and cool on two stage heat pump systems or humidifier
W/E	First indoor stage heat on conventional systems or first stage auxiliary/emergency heat on heat pump systems
W2/*	Second indoor stage heat on conventional systems or second stage auxiliary/ emergency heat on heat pump systems or dehumidifier
O/B	Changeover (reverse valve) connection for heat pump or zone panel systems
L	Heat Pump system, “L” wire connection

* If the old thermostat has separate RC and RH wires coming out of the wall, clip the RC/ RH jumper on the back of the thermostat above the battery compartment.

**The common wire could be labeled “C” on your old thermostat, or it could be labeled “B” or “X.” Please refer to the owner’s manual of your old thermostat for clarification.

Does Wire Color Correspond to the Thermostat Terminals?

Wire color does not always correspond to the thermostat letters. A white wire may be attached to the “W” terminal on the old thermostat, or it may be attached to a different terminal with a different letter. Be sure to take a photo of the old thermostat that shows the wire colors and terminal letters before labeling and removing any wires.

Thermostat base



1 BACK GLOW SWITCH
Switching this “On” illuminates the thermostat base. Make sure you switch this to “Off” after installation so you can still operate this feature from the thermostat display.

2 RH/RC JUMPER
Only clip this if you have separate RH and RC wires coming out of the wall. This indicates a two-transformer system.