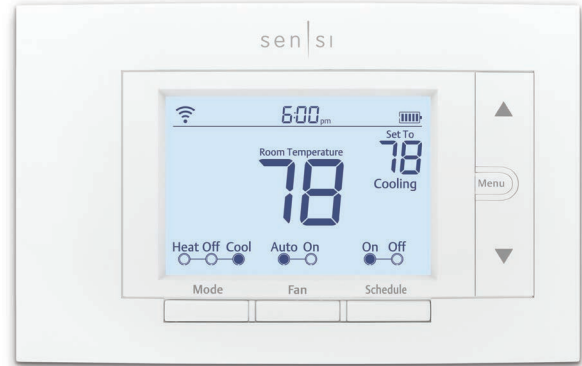




Sensi smart thermostat




The award-winning Sensi smart thermostat focuses on providing the best homeowner experience including an easy set-up, intuitive controls and compatibility with popular home automation systems.



ST55U

HVAC MONITORING

Sensi smart thermostats deliver information homeowner's need to maintain their HVAC equipment:

-  **MONITOR HVAC SYSTEM**
Get smart alerts to help detect extreme temperatures & humidity levels or loss of heating/cooling.
-  **GET REMINDERS**
Receive notifications for filter, UV lights, humidifier pad, and HVAC maintenance.
-  **VIEW USAGE**
Monitor current day and historical heating, cooling and fan runtimes right in the app.



SAVE ABOUT 23% ON HVAC ENERGY¹

By adjusting the temperature using flexible scheduling, remote access, and geofencing, Sensi thermostat customers save about 23% on HVAC energy usage.



EXTENSIVE COMPATIBILITY²

Works with HVAC equipment found in most homes. Common wire (c-wire) not required for most applications³ Check compatibility at sensi.emerson.com/compatibility



MOST INSTALL IN 30 MINUTES OR LESS⁴

Use the built-in level and step-by-step app instructions for a quick installation. Skip any extra work painting or patching the wall thanks to the standard thermostat size.



CIRCULATING FAN

Helps maximize comfort and balance temperature throughout your home by increasing air circulation.



HUMIDITY CONTROL

Help homeowners stay comfortable with humidification/dehumidification control.



KEYPAD LOCKOUT

Maintain total control by disabling changes made by others at the thermostat



TEMPERATURE LIMITS

Prevent others from adjusting temperatures too high or too low.



SMART HOME COMPATIBLE

Works with Amazon Alexa, Google Assistant, Apple HomeKit (c-wire required), and Samsung SmartThings smart home platforms.



¹ Energy savings are calculated by comparing operation time for a nationwide sample of Sensi users with temperature adjustments averaging 4° in comparison to users with no adjustments. Savings vary based on equipment type/condition, insulation, climate & temperature adjustment size/frequency.

² Does not work with electric baseboard heat and some other systems. Refer to our online compatibility resources to check if Sensi will work in your home.

³ Common wire (c-wire) is required for Apple HomeKit, heat only systems, cool only systems and heat pump systems.

⁴ Based on survey results of 2,120 respondents that purchased and installed a Sensi thermostat in 2018, approximately 70% reported installing in 30 minutes or less. Adding a common wire may impact installation time.

Use of the Works with Apple HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Google is a trademark of Google LLC. A trademark of Reviewed.com Used under license; Reprinted with permission. Copyright 2020, Reviewed.com. All Rights Reserved



SPECIFICATIONS

ELECTRICAL RATING	20 to 30 VAC, 50/60 Hz 1.5 Amps maximum per terminal 2.5 Amps maximum (all terminals combined)	RATED DIFFERENTIALS (@ 6°F / HR)	Heat (conventional gas/oil/elect): 0.5°F Cool (central air): 0.9°F Heat pump (heat and cool): 0.9°F Heat pump (aux): 0.5°F	FAST	0.5°F	MED	0.75°F	SLOW	1.9°F	DIMENSIONS	5.88" W x 3.75" H x 1.00" D
STANDARD SYSTEMS	Single-stage gas, oil, electric Single-stage heat pump Multi-stage gas, oil, electric Multi-stage heat pump	COMPATIBILITY	Conventional heating and cooling system: Apple HomeKit, heat pump*, heat only and cool only systems:	POWER SOURCE	Battery (power sharing or hardwired (c-wire)) Hardwired only (c-wire)	STORAGE		-20° to 150°F (-29° to 65°C) 0%-90% RH non-condensing		OPERATING AMBIENT	32°F to +105°F (0°C to +41°C)
SETPOINT RANGE	45°F to 99°F (7°C to 37°C)	SENSI ALERT	High temperature: Low temperature: High humidity: Loss of heat/cool:	TRIGGER	Above 99°F Below 45°F Above 70% Temp goes up or down 5°F during cycle	OPERATING HUMIDITY		90% non-condensing max		DISPLAY TEMPERATURE RANGE	32°F to +99°F (0°C to 37°C)
ACCESSORIES	Wallplate: F61-2663 (6.75" x 4.50") Thermostat guard: F29-0198	TITLE 24 COMPLIANT		ENERGY STAR CERTIFIED							

*The Sensi thermostat provides automatic dual fuel control without an outdoor sensor. A fossil fuel kit may be added if user selectable balance point settings are desired.

ADVANCED FEATURES

DUAL FUEL APPLICATIONS

Automatic staging for heat pump/gas furnace without the need for outdoor sensor or additional equipment.

AUTO CHANGEOVER

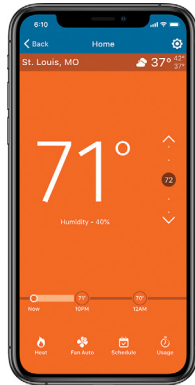
Automatically switches between heating and cooling within the set range.

KEYPAD LOCKOUT

Ideal for light commercial applications – lock the thermostat keypad and keep control from the Sensi app.

BACKLIT DISPLAY

Easy-to-read screen in low light.



The app changes color to let you know at a glance whether the system is heating or cooling.

REMOTE ACCESS

Set, change and program home comfort from anywhere.

FLEXIBLE SCHEDULING

Program a schedule for each day of the week.

LOCAL WEATHER

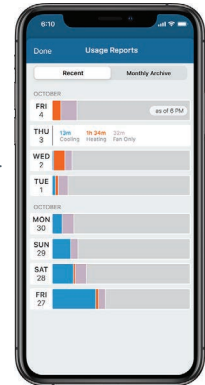
Get easy weather updates.

HUMIDITY SENSOR

Displays indoor humidity on the thermostat and in the app.

USAGE REPORTS

Monitor current day and historical heating, cooling and fan runtimes right in the app.



Monitor current day and historical heating, cooling and fan runtimes right in the app.

MODEL NUMBER	PROGRAMS		STAGES BY SYSTEM			SYSTEM TYPE	APPLICATIONS				POWER SOURCE	SELECTABLE PERFORMANCE FEATURES									
	Program Options	Periods Per Day Options	Single Stage Heat/Cool	Multi-Stage Heat/Cool	Heat Pump Heat/Cool	Universal, Single Stage, Multi-Stage, Heat Pump ¹	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible	Economizer	Humidity Control (H)-Humidity / (D)-Dehumidify	Dual Fuel Heat, Pump Control Logic (L), Outdoor Sensor (O)	Remote Sensor Options, Indoor (I), Outdoor (O)	Battery (B), Hardwire / Common (H), Power Sharing (PS)	Auto Changeover	Programmable Fan (PF), Comfort Circulating Fan (CC)	Filter Change Reminder	Energy Mgt. Recovery / Early Start	Total Keypad Lockout (T), Partial Keypad Lockout (P)	Set-Point Temperature Limits Adjustable Min/Max	Display Size, Backlight with Key Press (K), Continuous Backlight with Common (C)
ST55U	7, NP, Geofencing	8 Max	1/1	2/2	4/2	Universal Sensi	✓	✓ ²	-	-	H, D	L	-	H, PS ³	✓	CC	✓	✓	T	✓	5.0" K, C

¹ Universal thermostats provide the flexibility to control Single Stage, Multi-Stage, or Heat Pump systems
² Heat only, Cool only and 3-wire zone systems require common
³ Common wire required

TERMINAL DESIGNATIONS



#Thermostat has internal jumper on RC and RH. On two transformer systems, clip red jumper wire on thermostat.

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