

Sensi Touch 2 smart thermostat

The Sensi Touch 2 smart thermostat is the next evolution of smart thermostats by Emerson. With a new modern design, glass LCD touchscreen, enhanced user experience and compatibility with room sensors, this thermostat proves why Sensi smart thermostats are top rated by consumers.



ST76WU White

ST76U Black



RS01-SG

WORKS WITH ROOM SENSORS

When paired with a Sensi room sensor, the Sensi Touch 2 smart thermostat can help reduce hot and cold spots throughout your home by prioritizing or balancing temperatures where you need it most.

BATTERY LIFE *Up to 2 years*

ULTRA-THIN PROFILE

A full color, glass touchscreen packaged in the industry's thinnest smart thermostat.

EASY DIY INSTALLATION

Easy-to-use app guides you through each step of the install for easy setup. Works with HVAC equipment found in most homes. Common wire (c-wire) is required.

TOP-RATED APP

The Sensi mobile app for iOS and Android give you total on-the-go access to adjust your thermostat from anywhere, anytime.

SMART HOME COMPATIBLE

Works with Amazon Alexa, Google Assistant and Samsung SmartThings smart home platforms.

CATEGORY LEADING DESIGN

In a recent consumer design study, the Sensi Touch 2 led the category, outranking all other popular smart thermostats¹.

PRIVACY PROTECTION

Sensi doesn't sell your personal information to third parties or use your thermostat activity data for other targeting/advertising purposes².

SMART MAINTENANCE

Monitor the performance and efficiency of your HVAC system with important service alerts regarding your equipment and ongoing maintenance reminders such as when to replace your air filter.

ENERGY SAVINGS

Save about 23% on HVAC energy³ through features like flexible scheduling, remote access and usage reports.



¹ CATEGORY LEADING DESIGN: Study focused on customer design preference. Conducted by Emerson from 10/5/21 – 10/11/21 with 474 survey responses that compared Sensi Touch 2 against Google Nest Learning Thermostat, Ecobee Smart Thermostat and Honeywell T9 Smart Thermostat.

² PRIVACY PROTECTION: For full details, review the Sensi Privacy Policy at <https://sensi.emerson.com/en-us/legal>. Note: if you sign up for a program with a third party, such as a utility or controller, details and terms for that program are between you and the third party, not Emerson, and may include additional data collection. Certain add-on services require additional data to operate as intended. These services are not required and are optional.

³ ENERGY SAVINGS: 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.

Sensi Touch 2 smart thermostat

SPECIFICATIONS



ELECTRICAL RATING

20 to 30 VAC, 50/60 Hz
1.5 Amps maximum per terminal
2.5 Amps maximum (all terminals combined)

STANDARD SYSTEMS

Single-stage gas, oil, electric
Single-stage heat pump
Multi-stage gas, oil, electric
Multi-stage heat pump

SETPOINT RANGE

45°F to 99°F (7°C to 37°C)

ACCESSORIES

Wallplate: (white) SA6W (6.75" x 4.50")
Wallplate: (black) SA6B (6.75" x 4.50")
Thermostat guard: F29-0198
Room sensor (1 pack): RS01-SG
Thermostat Common Wire Kit: SA11

*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.

RATED DIFFERENTIALS (@ 6°F / HR)

	FAST	MED	SLOW
Heat (conventional gas/oil/elect):	0.5°F	0.75°F	1.9°F
Cool (central air):	0.9°F	1.2°F	1.7°F
Heat pump (heat and cool):	0.9°F	1.2°F	1.7°F
Heat pump (aux):	0.5°F	0.75°F	1.9°F

COMPATIBILITY

System Type	Compatible Equipment
Conventional heating and cooling	Gas furnace Air conditioner Electric furnace Boiler
Heat only	Gas furnace Electric furnace Boiler
Cool only	Air conditioner
Heat pump	

All systems require a common wire (c-wire)

SENSI ALERT TRIGGER

High temperature:	Above 99°F
Low temperature:	Below 45°F
High humidity:	Above 70%
Loss of heat/cool:	Temp goes up or down 5°F during cycle

WIRELESS TECHNOLOGY

2.4 Ghz Wi-Fi (802.11 a/b/g/n supported)
Bluetooth Low Energy

DIMENSIONS

5.6" W x 3.25" H x .77" D

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)

HUMIDITY RANGE

90% non-condensing max

DISPLAY TEMPERATURE RANGE

32°F to +99°F (0°C to 37°C)

TITLE 24 COMPLIANT

ENERGY STAR CERTIFIED

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*	Gas / Oil / Electric	3 Wire Zone Valve	Milivolt Compatible	Economizer	Humidity Control (H)-Humidity / (D)-Dehumidify	Accessory Terminal	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), 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)
ST76U ST76WU	7, NP, Geofencing	8 Max	1/1	2/2	4/2	✓	✓	✓	-	-	H, D	✓	L	I	H	✓	CC	✓	✓	T	✓	4.3" Color

TERMINAL DESIGNATIONS



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

* Universal thermostats provide the flexibility to control Single Stage, Multi-Stage, or Heat Pump systems.

INCLUDES 3-YEAR LIMITED WARRANTY

SENSI.EMERSON.COM

The Sensi and Emerson logos are trademarks and service marks of Emerson Electric Co ©2022. All rights reserved.

R-5547

