sen|si

Best Value Smart Thermostat 2020

Reviewed.com EDITORS' CHOICE

ENERGY STAR

Sensi™ Smart Thermostat

The award-winning Sensi Smart Thermostat keeps homeowners connected to comfort and keeps you connected to your customers. Our Contractor-On-Call feature puts your company information at your homeowners' fingertips.

1F87U-42WF

SAVE ABOUT 23% ON HVAC ENERGY[1]

Save money without compromising comfort with features like geofencing, flexible scheduling and remote access.

HUMIDITY CONTROL

Help homeowners stay comfortable with humidification/dehumidification control.

EASY TO INSTALL

No c-wire required for most installations[2] plus a built-in level for easy mounting.

USAGE REPORTS

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

SMART HOME COMPATIBLE

Compatible with smart home platforms Amazon Alexa, the Google Assistant, Apple HomeKit and SmartThings.

amazon alexa | works with the Google Assistant | Works with Apple HomeKit | WORKS WITH SmartThings

CONTRACTOR-ON-CALL

The Sensi app stores your contact information so when your customer needs service, you're just a tap away. Register at sensiregistration.com.

SMART ALERTS

Smart alerts notify homeowners of extreme temperature or humidity levels.

MULTIPLE THERMOSTAT CONTROL

Easy management for schools and light commercial applications.

CIRCULATING FAN

Improves air quality when a custom run time is set.

DID YOU KNOW?

85%

Up to 85% of Sensi customers replaced a working thermostat**

PRO 5 YEAR LIMITED WARRANTY

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. Apple, the Apple logo, iPad, iPad Air, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. HomeKit is a trademark of Apple Inc. To control this HomeKit-enabled accessory automatically and away from home, an Apple TV with tvOS 10.0 or later or an iPad with iOS 10.0 or later and an iPhone or iPad with 10.0 or later is recommended. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.

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

2 A common wire (c-wire) is required for Apple HomeKit, heat only systems, cool only systems and heat pump without auxiliary heat..

A trademark of Reviewed.com Used under license; Reprinted with permission. Copyright 2020, Reviewed.com. All Rights Reserved.

EMERSON

Sensi Smart Thermostat
1F87U-42WF

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
50˚F to 99˚F (10˚C to 36˚C)

ACCESSORIES
Wallplate: F61-2663 (6.75" x 4.50")
Thermostat guard: F29-0198

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
Conventional heating and cooling system:

Apple HomeKit, heat pump*, heat only and cool only systems:

SENSI ALERT
High temperature:
Low temperature:
High humidity:
Loss of heat/cool:

Power Source
Battery (power sharing) or hardwired (c-wire)

Hardwired only (c-wire)

Trigger
Above 99˚F
Below 45˚F
Above 70%
Temp goes up or down 5˚F during cycle

DIMENSIONS
5.88" W x 3.75" H x 1.00" 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)

OPERATING HUMIDITY
90% non-condensing max

DISPLAY TEMPERATURE RANGE
32˚F to +99˚F (0˚C to 37˚C)

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 the 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.

Model	Program Options			Max Stages Heat/Cool		Applications				Power Source		Selectable Performance Features							Comfort & Convenience Features						
Model Number	Wi-Fi Control/Smart Home Qualified	7 Day	Non-Programmable	Conventional	Heat Pump	Gas/Oil/Electric	3 Wire Zone	Millivolt	PTAC Compatible	Battery	Hardwired (24V)	Auto Changeover	Circulating Fan	EMR/ Early Start Program	Temperature Limits	Humidity Control	Dual Fuel Control	Remote Sensor	Filter Change Reminder	Auto DST Adjust	Keypad Lockout	Cont. backglow w/ Common	Permanent Memory	Usage Reports	Energy Star Certified
1F87U-42WF	•	•	•	2/2	4/2	•			•	•	•	•	•	•		•	•			•	•	•	•	•	•

TERMINAL DESIGNATIONS

RC‡ RH‡ C W/E W2 Y Y2/* O/B G L

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

The Sensi and Emerson logos are trademarks and service marks of Emerson Electric Co.©2020. All rights reserved.

emerson.com/sensipro

R-4552-12

EMERSON