



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 ENERGY¹

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 installations² 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.

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?

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



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¹ Energy savings calculated by comparing operation time for a nationwide sample of Sensi users with temperature adjustments averaging 40 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.
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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)

Heat (conventional gas/oil/elect):
Cool (central air):
Heat pump (heat and cool):
Heat pump (aux):

Fast	Med	Slow
0.5°F	0.75°F	1.9°F
0.9°F	1.2°F	1.7°F
0.9°F	1.2°F	1.7°F
0.5°F	0.75°F	1.9°F

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

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)

OPERATING AMBIENT

32°F to +105°F (0°C to +41°C)

OPERATING HUMIDITY

90% non-condensing max

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

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 Changerover	Circulating Fan	EMR/ Early Start Program	Temperature Limits	Humidity Control	Dual Fuel Control	Remote Sensor	Filter Change Reminder	Auto DST Adjust	Keypad Lockout	Cont. back/low w/ Common	Permanent Memory	Usage Reports	Energy Star Certified
1F87U-42WF	•	•	•	•	2/2	4/2	•			•	•	•	•	•	•		•	•			•	•	•	•	•	•

TERMINAL DESIGNATIONS



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