



## Sensi™ Smart Thermostat 1F87U-42WF

Best Value Smart  
Thermostat 2018.



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.



### SAVE ABOUT 23% ON HVAC ENERGY<sup>1</sup>

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



### SMART ALERTS

Smart alerts notify homeowners of extreme temperature or humidity levels.



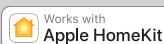
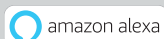
### EASY TO INSTALL

No c-wire required for most installations\* plus a built-in level for easy mounting.



### SMART HOME COMPATIBLE

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



### EASY TO CONNECT TO WI-FI

Easy step-by-step guide in the app to connect to Wi-Fi.



### 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](http://sensiregistration.com).



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

\*\*Recent research study conducted by Emerson.

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<sup>1</sup> 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.



# 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  
Add-A-Wire Kit: SA-11

\*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.

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 Display	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



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

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#### RATED DIFFERENTIALS (@ 6°F / HR)

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:

Heat pump\*, heat only and cool only systems:

#### SENSI ALERT

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

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

#### 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

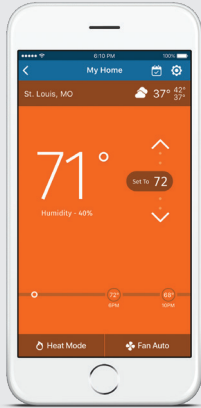
90% non-condensing max

#### DISPLAY TEMPERATURE RANGE

32°F to +99°F (0°C to 37°C)

#### TITLE 24 COMPLIANT

#### ENERGY STAR CERTIFIED



The 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

Usage reports monitor heating and cooling runtimes along with average humidity.

