The award-winning Sensi Wi-Fi Thermostat is now compatible with Apple HomeKit. Plus, our Contractor-On-Call feature puts your company information at your homeowners’ fingertips.

**GEOFENCING**
Geofencing automatically changes temperatures based on the location of the homeowner’s smartphone.

**SMART ALERTS**
Smart alerts notify homeowners of extreme temperature or humidity levels.

**SMART HOME COMPATIBLE**
Compatible with smart home platforms Apple HomeKit, Amazon Alexa and Wink.

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

**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.

**ENERGY SAVING FEATURES**
With features like geofencing, flexible scheduling and remote access, homeowners can save money without compromising their comfort.

**MULTI THERMOSTAT CONTROL**
Easy management for schools and light commercial applications.

DID YOU KNOW?
85% Up to 85% of Sensi customers replaced a working thermostat™

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, iPod, iPod Air, iPhone, and iPad 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. *Sensi thermostats implementation of Apple HomeKit requires a c-wire. **Recent research study conducted by Emerson.
Sensi Wi-Fi 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

DIMENSIONS
5.88” W x 3.75” H x 1.00” D

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

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

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

Trigger
Above 99°F
Below 45°F
Above 78%
Temp goes up or down 5°F during cycle

COMPATIBILITY
Conventional heating and cooling system:
Heat pump*, heat only and cool only systems:

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.

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.

STORAGE
-20°F to 150°F (-29°C 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)

*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.

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MODEL PROGRAM OPTIONS
Wi-Fi Control/Smart Home Qualified
7 Day
Non-Programmable
Conventional
Heat Pump
Gas/Oil/Electric
3-Wire Zone
Millivolt
PAC Compatible
Battery
Icedar (4-Wire)
Auto Changeover
Programmable Fan
True Dual Fuel
Temperature Limits
Humidity Display
Dual Fuel Control
Remote Sensor
Filter Change Reminder
Auto DST Adjust
Keypad Lockout
Cont. backglow w/ Common
Permanent Memory

TERMINAL DESIGNATIONS
RC RH C W/E W 2 O/B Y L

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

emerson.com/sensipro