



Sensi™ Wi-Fi Programmable Thermostat

System control from smartphone, tablet or PC

1F86U-42WF

Easy to Install

- No “C wire” required for most applications
Heat Only & Cool Only Systems Require a “C Wire”
- Traditional wire and configure installation

Simple to Connect

- Connect to home Wi-Fi at installation or let your customer connect later with the Sensi app
- Use Android or iOS devices to connect Wi-Fi

Connect with Your Customers

- Put your company name and contact info in your customer’s smartphone or tablet so you are one tap away when service is needed; sign up for free at SensiRegistration.com

Over-The-Air (OTA) Product Updates

- The first Sensi thermostat sold is better than ever
- Connected customers automatically receive the latest features like newly added alert emails and dual fuel capability

Universal Application

- Up to 4 heat / 2 cool
- Works without Wi-Fi as a standard thermostat



Energy Aware Qualified

Rated #1 with Homeowners

Adjust the temperature with just a touch, from anywhere!

- Control multiple thermostats – from multiple smart devices or online at SensiComfort.com

No more wasting money heating or cooling an empty home!

- The intuitive Sensi App lets users control their comfort and budget, even if they don’t have a set schedule
- With 8 schedules to pick from, users don’t have to choose between saving energy and enjoying comfort

#1 RATED
Wi-Fi THERMOSTAT
 ★★★★★
 WITH HOMEOWNERS



5-Year Limited Warranty

sensi™
 simply sensible™

EmersonSensi.com



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Sensi™ Wi-Fi Programmable Thermostat

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Universal — 4 Heat / 2 Cool

System control from smartphone, tablet or PC

Easy to install. Simple to connect.

Over-The-Air (OTA) Product Updates

Your customers always get to enjoy the latest features

Sensi App Features Include

Controlling heating and cooling from anywhere

Receive high and low temperature or loss of heating or cooling alert emails

Set a schedule, adjust the temperature or check the room temperature online anytime

Comfort and Convenience

Current room humidity (display, not control)

Automatic Daylight Savings Time Adjustment

Auto heat/cool changeover option

Maintains room temperature to within +/- 1°F

Room temperature display can be recalibrated up to +/- 5°

Permanent program retention during power loss

A/C compressor protection



Sensi App - Call for Cooling

Sensi App Menu Options

Intuitive Scheduling – fits any lifestyle

Thermostat Settings – flexible for each connected device

Contractor Contact Information – for service at your customer's fingertips

Thermostat Display

Backlight Button – for easier low-light viewing

Optional Continuous Display Light (with "C wire")

Energy Performance

Energy Aware Qualified

Energy Savings up to 30%



Terminal Designations†



† See installation booklet or www.white-rogers.com for terminal descriptions.

‡ Thermostat has internal jumper on RC and RH. On 2 transformer systems, clip red jumper wire on back of thermostat.

Dimensions

5.875" W x 3.75" H x 1.125" D

Thermal Specifications

Setpoint Temperature Range:
45° to 99°F (7° to 37°C)

Rated Differential:

	Fast	Medium	Slow
Conventional Heat	0.5°F	0.75°F	1.9°F
Cool	0.9°F	1.2°F	1.7°F

Heat Pump	Heat & Cool	0.9°F	1.2°F	1.7°F
Heat & Cool	0.9°F	1.2°F	1.7°F	

Storage:

-20° to 150°F (-29° to 65°C)
0%-90% RH non-condensing

Electrical Specifications

Rating

20 to 30 VAC, 50/60 Hz

0.05 to 1.5 Amps (load per terminal)

2.5 Amps maximum load (all terminals combined)

Standard Systems

Single Stage gas, oil, electric

Single Stage heat pump

Multi-Stage gas, oil, electric

Multi-Stage heat pump

Accessories

Wall Plate

F61-2663 (6-3/4" x 4-1/2") to cover marks left by previously installed thermostats

Thermostat Guard

clear F29-0198

For Additional Information

Visit EmersonSensi.com

SENSI THERMOSTAT COMPATIBILITY CHART

System	System Compatible	Power Source
Conventional Heating and Cooling Systems	Yes	Battery (Power Sharing) or Hardwired (C Wire)
Heat Pump Systems	Yes	Hardwired Only (C Wire)
Heat Only Systems or Cool Only Systems	Yes	Hardwired Only (C Wire)

Model	Program Options			Max Stages Heat/Cool		Applications			Power Source		Selectable Performance Features							Comfort & Convenience Features				
	7 Day	5 + 1 + 1 Day	Non-Programmable	Conventional	Heat Pump	Gas / Oil / Electric	3 Wire Zone*	Millivolt	Battery	Hardwired (24V)	Auto Changeover	Programmable Fan	EMR / Early Start Program	Temperature Limits	Humidity Display	Dual Fuel Control	Remote Sensor	Filter Change Reminder	Auto DST Adjust	Keypad Lockout	Cont. Backlight w/Common	Permanent Memory
1F86U-42WF	✓		✓	2/2	4/2	✓	✓		✓	✓	✓		✓	✓	✓	✓			✓		✓	✓

*Requires Common Wire

2 AA Batteries Included

Wi-Fi is a trademark of the Wi-Fi Alliance.

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