



# Sensi™ Wi-Fi Programmable Thermostat

System control from smartphone, tablet or PC

## 1F86U-42WF

### Easy to Install

- Works with existing wiring in most applications  
*No Common (C) wire required*
- Traditional wiring and configuration

### Simple to Connect

- Connect to home Wi-Fi at installation or let your customer connect later with the Sensi app
- Step-by-step guide in smartphone app

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

### Over-The-Air (OTA) Product Updates

- The first Sensi thermostat sold is better than ever
- Connected customers automatically receive the latest features

### Universal Application

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

## Top Rated Homeowner Benefits

### Smart home, meet smart comfort

- Control multiple thermostats – adjust with just a touch from multiple smart devices online at [SensiComfort.com](http://SensiComfort.com)
- Connect with multiple smart home platforms – now compatible with Amazon Echo and Wink

### 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

# TOP RATED

## Wi-Fi THERMOSTAT



5-Year Limited Warranty

# sensi™

[EmersonSensi.com](http://EmersonSensi.com)



Energy Aware Qualified  
with +/- 1 degree of accuracy



# EMERSON™

# Sensi™ Wi-Fi Programmable Thermostat

1F86U-42WF

Universal – 4 Heat / 2 Cool

System control from smartphone, tablet or PC

Easy to install. Simple to connect.

## Sensi App Features Include

Control 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

See current settings and upcoming program changes with intuitive day-at-a-glance schedule bar

## Comfort and Convenience

Current room humidity (display, not control)

Automatic Daylight Savings Time Adjustment

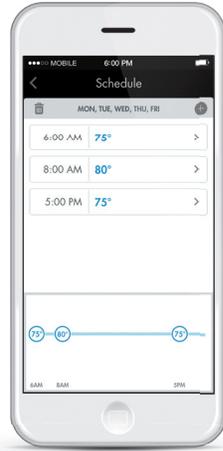
Auto heat/cool changeover option

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



Intuitive Scheduling – Fits any lifestyle

## 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")

## Precision Performance

Energy Aware Qualified

Energy Savings up to 30%



[SensiPartnerProgram.com](http://SensiPartnerProgram.com)

## Terminal Designations\*



\* See installation booklet or [www.white-rogers.com](http://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

5-7/8" W x 3-3/4" H x 1-1/8" D

## Thermal Specifications

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

Rated Differential:

Application	Fast	Med	Slow
<b>Conventional</b>			
Heat	0.5°F	0.75°F	1.9°F
Cool	0.9°F	1.2°F	1.7°F
<b>Heat Pump</b>			
Heat & Cool	0.9°F	1.2°F	1.7°F
<b>Heat Pump (Aux.)</b>			
	0.5°F	0.75°F	1.9°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](http://EmersonSensi.com)

SENSI ALERT	TRIGGER
High Temperature	Above 99°F
Low Temperature	Below 45°F
High Humidity	Above 78%
Loss of Heat/Cool	Temp goes up or down 5°F during cycle

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* Heat Only Systems Cool Only Systems	Yes	Hardwired Only (C Wire)

\* 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.

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

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