



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 wiring and configuration

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

Top Rated Homeowner Benefits

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

TOP RATED

Wi-Fi THERMOSTAT



WITH HOMEOWNERS



5-Year Limited Warranty



EmersonSensi.com



White-Rodgers™

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

Keypad lockout with full control from app



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

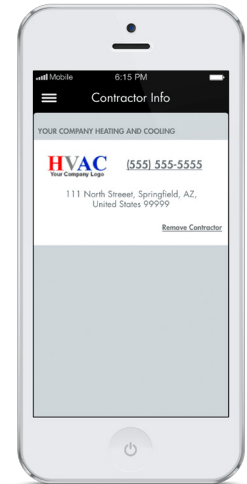
Backlight Button – for easier low-light viewing

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:

Application	Fast	Med	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

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)

* 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

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

Saint Louis, Missouri
314-553-3600

Markham, Ontario
905-948-3411

White-Rodgers™

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