



# Sensi™ Thermostat

Universal – 4 Heat / 2 Cool

**Wi-Fi Thermostat — remote access  
from smartphone, tablet or PC**

**NO “C WIRE” REQUIRED  
FOR MOST APPLICATIONS\***

\* Heat Only and Cool Only systems require a “C Wire”

## 1F86U-42WF

**Sensi App connects thermostat  
to home Wi-Fi router – no additional  
accessories/gateway required**

**Easy to install.  
Simple to connect.**

- **No “C wire” required** for most HVAC applications – for faster and easier installs
- Keeps **your contact information** in your customer’s smartphone or tablet – so you are just a tap away when service is needed
- Sensi Thermostat operates like a standard thermostat when not connected to Wi-Fi
- 5-Year Limited Warranty



**Sensi App** allows your customers to always be connected  
to their home comfort – anytime and anywhere

### Homeowner Benefits

- The intuitive Sensi App makes thermostat programming and operation simple for the homeowner.
- Adjust the temperature with just a touch, from anywhere, when Sensi is connected to the home Wi-Fi router — control is always at-hand.
- Home is comfortable the moment they walk in. No more wasteful heating and cooling when not at home.

sensi  
simply | sensible

Requires iOS or Android to connect



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

**White-Rodgers™**

  
**EMERSON™**  
Climate Technologies

# Sensi™ Thermostat Universal – 4 Heat / 2 Cool

1F86U-42WF

Universal

Wi-Fi Thermostat — remote access from smartphone, tablet or PC

Sensi App connects thermostat to home Wi-Fi router – No additional accessories required

## Sensi Thermostat Highlights

Works on heating and cooling systems – with or without “C wire”

Servicing contractor contact information resides in the Sensi App – via contractor’s phone number

One smartphone/tablet can control multiple thermostats

Multiple smartphones/tablets can control one thermostat

Automatic Daylight Savings adjustment

Sensi thermostat will operate the HVAC system and settings even if Wi-Fi is disconnected

Operates on 2 “AA” alkaline batteries

## Sensi App On-Screen Display Includes:

- Current room temperature
- Current room humidity\*
- Local weather and conditions
- System mode
- Fan mode
- System status (heating, cooling or standby)
- The current day’s schedule
- Next program schedule change
- Location and name of thermostat
- Control of multiple thermostats
- Call my contractor – just tap!

\* Sensi thermostat does not control humidity

## Thermostat Display

Backlight button for easier low-light viewing

Optional continuous display light (with “C wire”)

Large, easy-to-read character size

## Energy Performance

Energy Aware qualified

Energy savings up to 33% using convenient heating and cooling program schedule

## Comfort and Convenience

Auto heat/cool changeover option – automatically switches between heating and cooling programs

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

## 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

5.875" W x 3.75" H x 1.125" D

## Thermal Specifications

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

Rated Differential:  
Heat 0.6° F; Cool 1.2° F  
Heat 1.2° F; Cool 1.2° F (Heat Pump)

Operating Humidity Range: 90% non-condensing maximum

## Electrical Specifications

**Rating**  
20 to 30 VAC, 50/60 Hz

0.05 to 1.5 Amps (load per terminal)

1.5 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

Thermostat Guards  
Clear – F29-0198

## For Additional Information

Visit [www.sensicomfort.com](http://www.sensicomfort.com)

## SENSI THERMOSTAT COMPATIBILITY CHART

System	System Compatible	Power Source
Heating and Cooling Systems	Yes	Battery or Hardwired (C Wire)
Heat Pump Systems with Aux. Heat	Yes	Battery or Hardwired (C Wire)
Heat Pump Systems with Dual Fuel	Requires Fossil Fuel Kit	Battery or Hardwired (C Wire)
Heat Pump Only Systems	Yes	Hardwired Only (C Wire)
Heat Only Systems	Yes	Hardwired Only (C Wire)
Cool Only Systems	Yes	Hardwired Only (C Wire)

Single Stage	Multi-Stage	Heat Pump	Programs	Model	Applications			Power Source	Selectable Performance Features						Comfort and Convenience Features					
Stages Heat/Cool by System			Program Options	Model Number	Gas/Oil/Electric	3 Wire Zone	Millivolt		Auto Changeover	Programmable Fan	Early Start Recovery	Dual Fuel Control	Keypad Lockout	Outdoor Remote Sensor	Selectable °F/°C	Humidity Display	Setpoint Temperature Limit	Lighted Display†	Audible Feedback	Permanent Memory
1/1	2/2	4/2	7-day/Ø ^	1F86U-42WF	✓				B, H	✓		✓			✓	✓		✓		✓

B = Battery Powered H = Hardwired ^ Non-programmable

† Optional Continuous Display Light with “C wire” connection

**White-Rodgers™**

Saint Louis, Missouri  
314-553-3600

Markham, Ontario  
905-948-3411

[www.white-rogers.com](http://www.white-rogers.com)  
[www.emersonclimate.com](http://www.emersonclimate.com)

The Emerson logo is a trademark and a service mark of Emerson Electric Co.

**EMERSON™**  
Climate Technologies

WR-1299