



1F87U-42WF



# SENSI™ SMART THERMOSTAT

Connect to comfort with Sensi Smart Thermostats - Anytime, Anywhere.

## FEATURES

- Easy to install with built in level. No common wire (c-wire) required for most installations.
- Easy to connect to Wi-Fi with step-by-step guide in the Sensi app.
- Contractor-On-Call feature stores your contact information so when your customer needs service, you're just a tap away. Sign up at [sensiregistration.com](http://sensiregistration.com)
- Provides multiple thermostat control for easy management for schools and light commercial applications.
- Smart alerts notify homeowners of extreme temperature and humidity levels.
- Controls humidification and dehumidification
- Circulating fan may improve indoor air quality by helping to regulate temperature.
- ENERGY STAR Certified and Title 24 compliant. Check for eligible utility rebates at [Sensi.Emerson.com/rebates](http://Sensi.Emerson.com/rebates)
- Saves about 23% of HVAC energy by adjusting the temperature using flexible scheduling, remote access and geofencing.
- Geofencing allows temperatures to change automatically based on the location of the homeowner's smartphone.
- Integrates directly with smart home platforms including Amazon Alexa, the Google Assistant, Apple HomeKit and Samsung SmartThings.

## PARTS AND ACCESSORIES

DESCRIPTION	MODEL NUMBER	ITEM NUMBER
Thermostat Guard Clear Plastic	F29-0198	F29-0198
Wallplate 6.75"W X 4.5"H	F61-2689	F61-2689
Thermostat Common Wire Kit	SA11	SA11

## SPECIFICATIONS

Electrical Rating Hardwire ..... 20-30 VAC, NEC Class II, 50/60Hz  
 Electrical Rating Battery Power ..... 0 to 30 VAC, 50/60 Hz or DC  
 Terminal Load ..... 1.5 Amps per terminal, 2.5 Amps maximum (all terminals combined)  
 Set-point Range ..... 45 to 99°F (7 to 37°C)  
 Heat Differential (Conventional / Gas / Oil / Elec) ..... Fast 0.5°F, Med. 0.75°, Slow 1.9°F  
 Cool Differential (Central Air) ..... Fast 0.9°F, Med. 1.2°, Slow 1.7°F  
 Heat Pump Differential (Heat and Cool) ..... Fast 0.9°F, Med. 1.2°, Slow 1.7°F  
 Aux. Heat Differential ..... Fast 0.5°F, Med. 0.75°, Slow 1.9°F  
 Operating Humidity ..... 0%-90% RH non-condensing max.  
 Dimensions ..... 5.58"W X 3.75"H X 1.00"D  
 Storage Temperature Range ..... -40 to 150°F (-29 to 65°C)

## UNIVERSAL – 4 HEAT / 2 COOL SENSI WI-FI THERMOSTAT

PROGRAMS		STAGES BY SYSTEM			SYSTEM TYPE	MODEL NUMBER	ITEM NUMBER	APPLICATIONS						POWER SOURCE	SELECTABLE PERFORMANCE FEATURES							AVAILABLE CONNECTIONS	
7, NP, Geofencing	8 Max	1/1	2/2	4/2	Universal / Single Stage / Multi-Stage, Heat Pump <sup>1</sup>			Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible	Economizer	Humidity Control	Dual Fuel Heat Pump Control Logic (L), Outdoor Sensor (O)	Remote Sensor Options Indoor (I), Outdoor (O)	Battery (B) Hardware / Common (H) Power Sharing (PS)	Auto Changeover	Programmable Fan (PF) Comfort Circulating Fan (CC)	Filter Change Reminder	Energy Mgt. Recovery / Early Start	Total Keypad Lockout (T)	Partial Keypad Lockout (P)	Set-Point Temperature Limits Adjustable Max/Min	Display Size, Backlight with Key Press (K) Continuous Backlight with Common (C)
7, NP, Geofencing	8 Max	1/1	2/2	4/2	Universal Sensi	1F87U-42WF	1F87U-42WF	√	* *	—	—	H, D	L	—	H, PS *	√	CC	√	√	T	√	5.0" K,C	RC, RH, C, W/E, W2/*, Y, Y2/*, O/B/2, G, L
7, NP, Geofencing	8 Max	1/1	2/2	4/2	Universal Sensi	1F87U-42WFC	1F87U-42WFC	√	* *	—	—	H, D	L	—	H, PS *	√	CC	√	√	T	√	5.0" K,C	RC, RH, C, W/E, W2/*, Y, Y2/*, O/B/2, G, L

<sup>1</sup> Universal thermostats provide the flexibility to control Single Stage, Multi-Stage, or Heat Pump systems.

\* Heat only, Cool only and 3-wire zone systems require common

✦ Indicates Canadian Model Number: Call 1-800-305-6953 to order.