

Sensi smart thermostat

The award-winning Sensi smart thermostat keeps homeowners connected to comfort and keeps you connected to your customers.




Sensi Partners get access to program benefits including homeowner leads, contractor branding, custom literature and free online training. Learn more at SENSI.COPELAND.COM












1F87U-42WF

HVAC MONITORING

Sensi smart thermostats deliver information homeowner's need to maintain their HVAC equipment:

-  **SMART ALERTS**
Notifies customers when their system may need service, and your contact info is a click away.
-  **SERVICE REMINDERS**
Tells customers to contact you for routine maintenance or service.
-  **USAGE REPORTS**
Provides valuable system information to your customers with your company name prominently displayed every month.

-  **EASY TO INSTALL & CONNECT**
No common wire (c-wire) required for most installations.¹
Step-by-step guide in the Sensi app.
-  **SENSI PARTNER PROGRAM**
Put your name and contact info in front of customers right when they need it. You'll reach customers through digital branding, smart alerts, service reminders, monthly usage reports, in-app branding and the Find A Pro tool.
-  **CONTRACTOR MODE**
With Contractor Mode, you can easily connect to every customer by registering thermostats individually or in batches.
-  **HUMIDITY CONTROL**
Help homeowners stay comfortable with humidification/dehumidification control.
-  **CIRCULATING FAN**
Air circulation may improve indoor air quality by helping to regulate temperature and prevent buildup of particles.

-  **KEYPAD LOCKOUT**
Maintain total control by disabling changes made by others at the thermostat
-  **TEMPERATURE LIMITS**
Prevent others from adjusting temperatures too high or too low.
-  **SAVE ABOUT 23% ON HVAC ENERGY²**
By adjusting the temperature using flexible scheduling, remote access, and geofencing, Sensi thermostat customers save about 23% on HVAC energy usage.
-  **SMART HOME COMPATIBLE**
Works with Amazon Alexa, Google Assistant and Samsung SmartThings smart home platforms.



¹ Common wire (c-wire) is required for heat only systems, cool only systems and heat pump systems.

² Energy savings are calculated by comparing operation time for a nationwide sample of Sensi users with temperature adjustments averaging 4° in comparison to users with no adjustments. Savings vary based on equipment type/condition, insulation, climate & temperature adjustment size/frequency.



SPECIFICATIONS

ELECTRICAL RATING	20 to 30 VAC, 50/60 Hz 1.5 Amps maximum per terminal 2.5 Amps maximum (all terminals combined)	RATED DIFFERENTIALS (@ 6°F / HR)	<table border="1"> <tr> <th>FAST</th> <th>MED</th> <th>SLOW</th> </tr> <tr> <td>Heat (conventional gas/oil/elect):</td> <td>0.5°F</td> <td>0.75°F</td> <td>1.9°F</td> </tr> <tr> <td>Cool (central air):</td> <td>0.9°F</td> <td>1.2°F</td> <td>1.7°F</td> </tr> <tr> <td>Heat pump (heat and cool):</td> <td>0.9°F</td> <td>1.2°F</td> <td>1.7°F</td> </tr> <tr> <td>Heat pump (aux):</td> <td>0.5°F</td> <td>0.75°F</td> <td>1.9°F</td> </tr> </table>	FAST	MED	SLOW	Heat (conventional gas/oil/elect):	0.5°F	0.75°F	1.9°F	Cool (central air):	0.9°F	1.2°F	1.7°F	Heat pump (heat and cool):	0.9°F	1.2°F	1.7°F	Heat pump (aux):	0.5°F	0.75°F	1.9°F	DIMENSIONS	5.88" W x 3.75" H x 1.00" D
FAST	MED	SLOW																						
Heat (conventional gas/oil/elect):	0.5°F	0.75°F	1.9°F																					
Cool (central air):	0.9°F	1.2°F	1.7°F																					
Heat pump (heat and cool):	0.9°F	1.2°F	1.7°F																					
Heat pump (aux):	0.5°F	0.75°F	1.9°F																					
STANDARD SYSTEMS	Single-stage gas, oil, electric Single-stage heat pump Multi-stage gas, oil, electric Multi-stage heat pump	COMPATIBILITY	Conventional heating and cooling system: Heat pump*, heat only and cool only systems:	POWER SOURCE	Battery (power sharing) or hardwired (c-wire) Hardwired only (c-wire)																			
SETPOINT RANGE	45°F to 99°F (7°C to 37°C)	SENSI ALERT	High temperature: Low temperature: High humidity: Loss of heat/cool:	TRIGGER	Above 99°F Below 45°F Above 70% Temp goes up or down 5°F during cycle																			
ACCESSORIES	Wallplate: F61-2663 (6.75" x 4.50") Thermostat guard: F29-0198	STORAGE	-20° to 150°F (-29° to 65°C) 0%-90% RH non-condensing	OPERATING AMBIENT	32°F to +105°F (0°C to +41°C)																			
		OPERATING HUMIDITY	90% non-condensing max	DISPLAY TEMPERATURE RANGE	32°F to +99°F (0°C to 37°C)																			
		TITLE 24 COMPLIANT		ENERGY STAR CERTIFIED																				

*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.

ADVANCED FEATURES

DUAL FUEL APPLICATIONS

Automatic staging for heat pump/gas furnace without the need for outdoor sensor or additional equipment.

AUTO CHANGEOVER

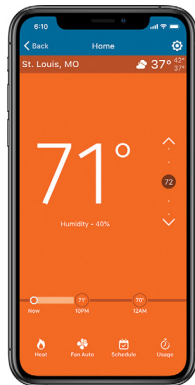
Automatically switches between heating and cooling within the set range.

KEYPAD LOCKOUT

Ideal for light commercial applications – lock the thermostat keypad and keep control from the Sensi app.

BACKLIT DISPLAY

Easy-to-read screen in low light.



The app changes color to let you know at a glance whether the system is heating or cooling.

REMOTE ACCESS

Set, change and program home comfort from anywhere.

FLEXIBLE SCHEDULING

Program a schedule for each day of the week.

LOCAL WEATHER

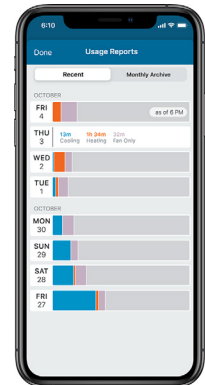
Get easy weather updates.

HUMIDITY SENSOR

Displays indoor humidity on the thermostat and in the app.

USAGE REPORTS

Monitor current day and historical heating, cooling and fan runtimes right in the app.



Monitor current day and historical heating, cooling and fan runtimes right in the app.

MODEL NUMBER	PROGRAMS		STAGES BY SYSTEM			SYSTEM TYPE	APPLICATIONS				POWER SOURCE	SELECTABLE PERFORMANCE FEATURES									
	Program Options	Periods Per Day Options	Single Stage Heat/Cool	Multi-Stage Heat/Cool	Heat Pump Heat/Cool	Universal, Single Stage, Multi-Stage, Heat Pump ¹	Gas / Oil / Electric	3 Wire Zone Valve	Milivolt Compatible	Economizer	Humidity Control (H)-Humidity / (D)-Dehumidify	Dual Fuel Heat, Pump Control, Logic (L), Outdoor Sensor (O)	Remote Sensor Options, Indoor (I), Outdoor (O)	Battery (B), Hardwire / 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 Min/Max	Display Size, Backlight with Key Press (K), Continuous Backlight with Common (C)
1F87U-42WF 2471117	7, NP, Geofencing	8 Max	1/1	2/2	4/2	Universal Sensi	✓	✓ ²	-	-	H, D	L	-	H, PS ³	✓	CC	✓	✓	T	✓	5.0" K, C

1 Universal thermostats provide the flexibility to control Single Stage, Multi-Stage, or Heat Pump systems

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

3 Common wire required

TERMINAL DESIGNATIONS



#Thermostat has internal jumper on RC and RH. On two transformer systems, clip red jumper wire on thermostat.

SENSI.COPELAND.COM
©2025 Copeland LP. | R-5338-2 (04/16)

