

Sensi Lite smart thermostat

The Sensi™ Lite smart thermostat puts energy savings in easy reach. Installation is quick and simple—no common wire required with most systems. The controls are familiar and intuitive. And, best of all, your usage activity and personal data stays private.



1F76U-22WFB

SMART HAS NEVER BEEN SO EASY

Sensi Lite is everything your customers are looking for in a smart thermostat - energy savings, modern design with a sleek glass touchscreen and lasting quality they can trust in their home.

EASY INSTALLATION

Just open the app, follow a few easy steps and installation is a snap. And, unlike other smart thermostats, you won't need to worry about a c-wire in most systems.¹

ENERGY SAVINGS

Save about 23% on HVAC energy³ through features like flexible scheduling, remote access and usage reports.

MONITOR HVAC PERFORMANCE

Homeowners can keep track of their HVAC system's performance with Smart Alerts, service reminders, usage reports and more.

PRIVACY PROTECTION

We care about your customers' privacy. Sensi will not sell their personal information to third parties or use their thermostat activity data for other targeting/advertising purposes.²

CONTROL FROM ANYWHERE

The top-rated Sensi mobile app for iOS and Android gives them total on-the-go access to adjust their thermostat from anywhere, anytime.

SMARTHOME COMPATIBLE

Sensi Lite works well with Amazon Alexa, Google Assistant and Samsung SmartThings smarthome platforms.



¹ EASY INSTALLATION: Systems that require a common wire include heat-only and cool-only systems.

² PRIVACY PROTECTION: For full details, review the Sensi Privacy Policy at [/sensi.emerson.com/en-us/legal](https://sensi.emerson.com/en-us/legal). Note: if you sign up for a program with a third party, such as a utility or controller, details and terms for that program are between you and the third party, not Emerson, and may include additional data collection. Certain add-on services require additional data to operate as intended. These services are not required and are optional.

³ ENERGY SAVINGS: 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.

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SPECIFICATIONS



ELECTRICAL RATING

20 to 30 VAC, 50/60 Hz
1.5 Amps maximum per terminal
2.5 Amps maximum (all terminals combined)

STANDARD SYSTEMS

Single-stage gas, oil, electric
Single-stage heat pump with AUX heat
Two-stage gas, oil, electric
Two-stage cooling

SETPOINT RANGE

45°F to 99°F (7°C to 37°C)

ACCESSORIES

Wallplate: (white) SA6W (6.75" x 4.50")
Wallplate: (black) SA6B (6.75" x 4.50")
Thermostat guard: F29-0198

RATED DIFFERENTIALS (@ 6°F / HR)

	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

COMPATIBILITY

System Type	Compatible Equipment
Conventional heating and cooling	Gas furnace Air conditioner Electric furnace Boiler
Heat only ¹	Gas furnace Electric furnace Boiler
Cool only ¹	Air conditioner
Heat pump	Heat pump only Gas furnace Electric furnace

SENSI ALERT TRIGGER

High temperature:	Above 99°F
Low temperature:	Below 45°F
High humidity:	Above 70%
Loss of heat/cool:	Temp goes up or down 5°F during cycle

WIRELESS TECHNOLOGY

2.4 Ghz Wi-Fi (802.11 a/b/g/n supported)
Bluetooth Low Energy

DIMENSIONS

5.1" W x 3.1" H x .88" D

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)

HUMIDITY RANGE

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.

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*	Gas / Oil / Electric	3 Wire Zone Valve	Milivolt Compatible	Economizer	Humidity Control (H)-Humidity / (D)-Dehumidify	Accessory Terminal	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), 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)
1F76U-22WFB	7, NP, Geofencing	8 Max	1/1	2/1 or 1/2	2/1	✓	✓	✓	-	-	-	-	L	-	H, PS	✓	CC	✓	✓	T	✓	2.25' LCD

TERMINAL DESIGNATIONS



* Universal thermostats provide the flexibility to control Single-stage, Multi-stage or Heat Pump systems.