THERMOSTATS & CONTROLLERS

PROGRAMMABLE MULTI OR SINGLE STAGE WI-FI THERMOSTAT
1F86U-42WF SERIES

DESCRIPTION

The White Rodgers **1F86U-42WF Series** thermostat is a programmable thermostat with Wi-Fi capability. This versatile thermostat can be used for residential and light commercial applications with both programmable and no-programmable options. The downloadable apps for smartphones or computers make total control easy for the end-users. This thermostat can be used on single or multi-stage system for gas, oil, or electric systems and heat pump applications. Sign up at SensiRegistration.com to access enhanced features.

White Rodgers™

sen si
simply sensible.

Universal Wi-Fi
Thermostat.

EMERSON

The Sensi logo is a trademark of Emerson Electric Co.

FEATURES

- **Universal application with 4 heat/2 cool**
- **Battery powered or hardwired with battery backup**
- **Multiple thermostats controlled from same app**
- **Regional location temperature display**
- **Automatic daylight savings time adjustment**
- **Auto heat/cool changeover option**

SPECIFICATIONS

Supply Voltage	20-30 VAC, 50/60 Hz
	0.05-1.5 Amps (load per terminal)
	1.5 Amps maximum load (all terminals combined)
	Operates on 2 "AA" batteries
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
Standard Systems	Single Stage gas, oil electric
	Single Stage heat pump
	Multi-Stage gas, oil, electric
	Multi-Stage heat pump
Operating Humidity	90% RH non-condensing maximum
Dimensions	3.75" H x 5.875" W x 1.125" D (9.53 x 14.923 x 2.858 cm)
Weight	0.75 lb (0.34 kg) approximate average
Warranty	1 year

TERMINAL CROSS REFERENCE

Old Thermostat	Sensi Thermostat	Conventional
RC	RC*	Power for cooling
RH, R	RH*	Power for heating
C, X, B**	C	Common wire
W, W1, W/E	W/E	1st stage indoor heat
W2	W2	2nd stage indoor heat
Y, Y1	Y	1st stage outdoor cool
Y2	Y2	2nd stage outdoor cool
G	G	Fan
O, B**, O/B	O/B	Heat pump changeover valve
L	L	Heat pump diagnostic

*   If the old thermostat has seperate RC and RH wires, clip the RC/RH jumper on the back of the thermostat

**   Label "B" as "C" only if the old thermostat also has a wire on "O". If there is no wire on "O" - label the wire "B"

***   On heat pump systems with seperate W2 and E wires, label both wires W/E (2 wires on one terminal).

ORDERING INFORMATION

MODEL	DESCRIPTION
1F86U-42WF	Multi-stage or single stage Wifi thermostat

	RELATED PRODUCTS
ATK63	Thermostat guard (6.9" H x 4.7 " W x 1.75" D - inside dim.)
F29-0198	Thermostat guard (8.125" H x 4.375" W x 3.375" D - inside dim.)