

WHITE-RODGERS 90 SERIES TOUCHSCREEN THERMOSTATS

White
Rodgers



1F95-1277, 1F97-1277



1F95-1271, 1F97-1271



**F145-1328
Indoor Remote Sensor**



**F145-1378
Outdoor Remote Sensor**



90 SERIES BLUE TOUCHSCREEN THERMOSTATS

Residential and Light Commercial – Single Stage, Multi-Stage and Heat Pump Applications. 90 Series Blue Touchscreen Thermostats are the Ultimate for Comfort, Convenience and Performance and Visibility

FEATURES

- Large 12-square-inch touchscreen display – largest in the industry.
- Extra-large touch keys for easy operation.
- Universal Dual-Powered – choice of battery-powered or hardwired with battery back-up.
- Meets ENERGY STAR® specifications.
- Meets California Building Code, Title 24.
- Universal – choice of 7 day, 5/1/1 day programmable or non-programmable (installer selectable).
- Audible feedback.
- 1F95-1277/1F97-1277 include these additional features:
 - Remote sensing indoor/outdoor.
 - Programmable fan.
 - Circulator fan cycling.
 - Automatic daylight savings option.
 - Dual-fuel heat pump control (1F95-1277).
 - Patented Cool Savings.
 - Enhanced security settings.
 - 3 wire zone valve.

SPECIFICATIONS

Electrical Rating

Battery Power	mV to 30 VAC, NEC Class II, 50/60 Hz or DC
Input-Hardwire	20 to 30 VAC
Terminal Load	1.5 A per terminal, 2.5 A maximum all terminals combined

Setpoint Range	45 to 99°F (7 to 37°C)
Differential (Single Stage)	Heat 0.6°F; Cool 1.2°F
Differential (Multi-Stage)	Heat 0.6°F; Cool 1.2°F
Differential (Heat Pump)	Heat 1.2°F; Cool 1.5°F
Operating Ambient	32 to +105°F (0 to +41°C)
Operating Humidity	90% non-condensing max.
Shipping Temperature Range	–4 to 150°F (–20 to 65°C)
Dimensions	4 ⁹ / ₁₆ " H x 5 ¹³ / ₁₆ " W x 1 ³ / ₁₆ " D

PARTS AND ACCESSORIES See end of this section for additional parts and accessories

- F29-0198 — Clear plastic thermostat guard
- F29-0220 — Metal thermostat guard
- F61-2600 — Wallplate 8¹/₈" W x 5³/₈" H
- F61-2634 — Wallplate 6¹/₂" W x 5" H
- F145-1328 — Indoor remote sensor
- F145-1378 — Outdoor remote sensor

**WHITE-RODGERS 90 SERIES THERMOSTATS
STAGING THERMOSTATS**

Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications				Thermostat Power Source*	Selectable Performance Features							Comfort and Convenience Features			Terminals			
			Stages Heat/Cool by System	Program Options		Periods Per Day Options	Model Number	Gas / Oil / Electric	3 Wire Zone Valve		Millivolt Compatible	Humidity Control (H)-Humidity / (D)-Dehumidify	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	Energy Star	Dual Fuel Heat Pump Control (L)-Logic / (O)-Outdoor Sensor	Keypad Lockout (T)-Total / (P)-Partial	Set-Point Temperature Limits Adjustable Max/Min	Indoor Remote Sensors Max. Number + Thermostat Average and/or Weighted		Outdoor Remote Sensor	Display Size Square inches	Lighted Display
NEW!	1/1	2/2	3/2	7, 5+1+1, Ø	4, 2, Ø	1F95-1277 Touchscreen	✓	✓	✓		B, H	✓	✓	✓	✓	Ⓞ	T, P	✓	1 + 1	1▼	12.0	✓***	P	RC, RH, C, W/E,W2, Y, Y2, G, O, B, 6, L, +, S, -
NEW!	1/1	2/2	3/2	7, 5+1+1, Ø	4, 2, Ø	1F95-1271 Touchscreen	✓		✓		B, H	✓		✓		T, P	✓				12.0	✓***	P	RC, RH, C, W/E,W2, Y, Y2, G, L,O, B

SINGLE STAGE THERMOSTATS

Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications				Thermostat Power Source*	Selectable Performance Features							Comfort and Convenience Features			Terminals			
			Stages Heat/Cool by System	Program Options		Periods Per Day Options	Model Number	Gas / Oil / Electric	3 Wire Zone Valve		Millivolt Compatible	Humidity Control (H)-Humidity / (D)-Dehumidify	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	Energy Star	Dual Fuel Heat Pump Control (L)-Logic / (O)-Outdoor Sensor	Keypad Lockout (T)-Total / (P)-Partial	Set-Point Temperature Limits Adjustable Max/Min	Indoor Remote Sensors Max. Number + Thermostat Average and/or Weighted		Outdoor Remote Sensor	Display Size Square inches	Lighted Display
NEW!	1/1		1/1	7, 5+1+1, Ø	4, 2, Ø	1F97-1277 Touchscreen	✓	✓	✓		B, H	✓	✓	✓	✓		T, P	✓	1 + 1	1▼	12.0	✓***	P	RC, RH, C, W, Y, G, O, B, W/E, L, 6, +, S, -
NEW!	1/1		1/1	7, 5+1+1, Ø	4, 2, Ø	1F97-1271 Touchscreen	✓		✓		B, H	✓		✓		T, P	✓				12.0	✓***	P	RC, RH, C, W, Y, G, L,O, B

* H = Hardwired (Requires Common)
 B,H = Battery Powered or Hardwired
 B = Battery Powered
 PS = Power Stealing with Battery Back-Up

① Heat Pump for Stage 1, and Gas/Oil/Electric for 2nd Stage/Emergency
 ② System requires fossil fuel kit on dual fuel application if outdoor remote is not used
 ▼ Only one (1) remote sensor may be used – either Indoor or Outdoor
 *** Optional Continuous Display Light w/Hardwire connection



TECHNICAL HELP

1F97-1271 Wiring and Configuration See page 169
 1F95-1271 Wiring and Configuration See page 170-171