

# Single Stage

Digital 7 Day, 5/2 Day  
Programmable and  
Non-Programmable  
Battery

White-Rodgers

# 70 Series®



Non-Programmable

## The Digital Thermostat That Expands Your Business and Shrinks Your Inventory.

With a single 70 Series thermostat, your customers can economically upgrade to digital accuracy and energy savings...without any decorating touch-ups. Its new low-profile design covers the footprint of the four most common mechanical thermostats used today. So there's no wall re-painting and no wallplates required. And it's battery powered, making it easy to install and compatible with most heating/cooling systems. The 70 Series is perfect for customers who want a quick and easy digital upgrade. Plus its versatility means less inventory for you.

### Programming

Choice of 5/2 day programming (weekday/weekend), 7 day or non-programmable

4 time and 4 temperature settings per program for heating and cooling (1F78-151)

Energy savings up to 33%

### Display

Large, easy-to-read thermostat display

**New** — Lighted display for easier low-light viewing

### Comfort & Convenience

Electronic temperature accuracy

Adjustable room temperature calibration

### Performance

B & O terminals

Meets California Building Code, Title 24 (1F78-151)

Millivolt compatible

Battery-powered thermostat for maximum compatibility (2 "AAA" Energizer® batteries included)

Maintains room temperature differential within +/- 1 degree



# 1F78-151

Single Stage  
2 Programs

# 1F78-144

Single Stage  
Non-Programmable

White  
Rodgers™

  
**EMERSON**  
Climate Technologies

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## Mechanical Footprint Comparison Legend

		Height	Width	Depth
—————	White-Rodgers 1F78 Series Digital Thermostat	3 3/4"	5 1/8"	1 1/8"
.....	Robertshaw 400 Series	3 5/8"	3 1/4"	1 1/4"
-----	Honeywell T87F w/subbase	3 3/4"	3 3/4"	1 3/4"
.....	White-Rodgers 1F56	3 1/4"	4 1/2"	1 5/8"
.....	Honeywell T8034	2 7/8"	4 3/4"	1 5/16"

## Economy Digital Thermostat Feature Comparison

Feature	Model			
	White-Rodgers 1F78-151	Robertshaw 9600	Lux PSP511	CTC 43103
Large, Easy-to-Read LCD	X			X
Lighted Display	X			
Easy to Program	X			
Best in Class Accuracy	X			
Millivolt Compatible	X	X	X	X
Single Stage Heat Pump (B&O Terminals)	X		X	X
True 5/2 Day Programming	X		X	X
Soft-Touch Buttons	X			X

## Terminal Designations



## Dimensions

5.1"W x 3.75"H x 1.1"D

## Electrical Specifications

### Rating

0 to 30 VAC, 50/60 Hz or DC

0.05 to 1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals combined)

### Standard Systems

Single stage gas, oil, electric

Single stage heat pump

Millivolt compatible

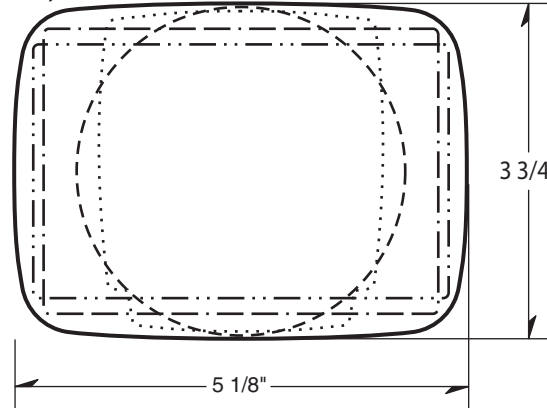
## For Additional Information

Visit [www.white-rodgers.com](http://www.white-rodgers.com)

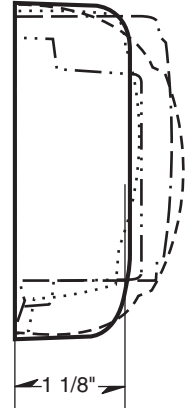
## Smart Design Covers the Wall Marks of Others

No spackling or painting necessary because its smart design hides wall marks left by the most popular mechanical thermostats. Plus it has a lower profile!

Footprint



Profile



## Application Guide

Series	System	Programs	Power Source
90 - Premium	Single Stage	7 day	Power stealing w/battery back-up
80 - Standard	Multi-Stage	5/1/1 day	Hardwired/battery
70 - Economy	Heat Pump	5/2 day Non-programmable	Battery Hardwired

## Thermal Specifications

Setpoint Temperature Range: 45° to 90°F  
(7° to 32°C)

Rated Differential: 0.6° to 1.9°F with adjustable anticipation

Operating Ambient Temperature: 32° to 105°F  
(0° to 40°C)

Operating Humidity Range: 90%  
non-condensing maximum

Shipping Temperature Range: -4° to 150°F  
(-20° to 65°C)

## Accessories

Wall Plate F61-2510 with 2" x 4" junction box adaptor (6.5"W x 4.5"H)

Wall Plate F61-2550 (6.5"W x 4.5"H)

Thermostat Guard F29-0231

(For additional guard options refer to White-Rodgers catalog.)

# 1F78-151

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2 Programs

# 1F78-144

Single Stage  
Non-Programmable

**White**  
**Rodgers**

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[www.white-rodgers.com](http://www.white-rodgers.com)

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