



# BLUE™ 4" Universal Thermostats

4-square-inch display

## Single Stage / Multi-Stage / Heat Pump Applications

Programmable 7, 5/1/1, 5/2 or ∅ Day and Non-Programmable  
Dual Powered – Hardwired or Battery Powered  
Includes Wall Plate F61-2634

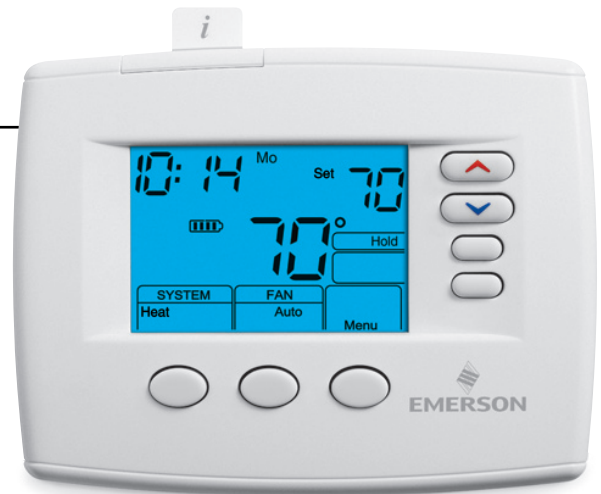


### PROGRAMMABLE MODELS

**1F85-0477** 3H/2C 7, 5/1/1 or ∅ Day Option

**1F85-0422** 2H/2C 5/1/1, 5/2 or ∅ Day Option

**1F85ST-0422** 2H/2C 5/1/1, 5/2 or ∅ Day Option  
Selecto – Spanish Language Model

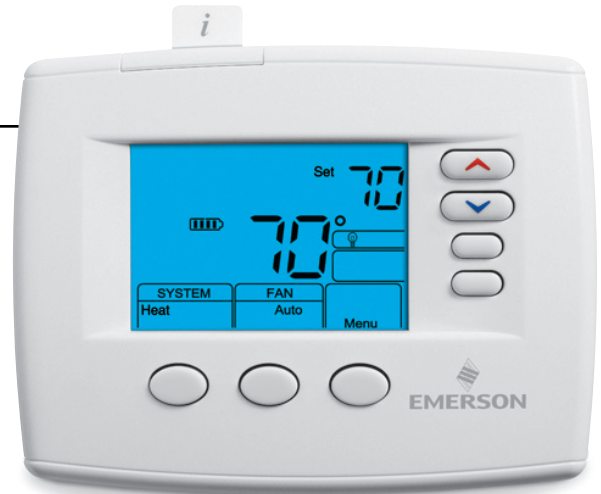


Programmable

### NON-PROGRAMMABLE ONLY MODELS

**1F83-0471** 3H/2C

**1F83-0422** 2H/2C



Non-Programmable

### Emerson BLUE 4" Universal Features:

- Easy-to-Read 4-Square-Inch Blue Display
- Active Comfort Alert™ Compressor Protection
- Keypad Lockout
- Adjustable Setpoint Temperature Limits
- Battery Power Monitor
- Millivolt and Hydronic Zone Valve Compatible
- Exclusive Cool Savings™

**5-Year Warranty**

White  
Rodgers™



# BLUE™ 4" Universal Thermostats

1F85-0477/1F85-0422/1F85ST-0422

Programmable 7, 5/1/1, 5/2 or ∅ Day Option

1F83-0471/1F83-0422

Non-Programmable Only

• For Single Stage, Multi-Stage and Heat Pump Systems • Programmable 7, 5/1/1, 5/2 or ∅ Day and Non-Programmable • Hardwired or Battery Powered

## Blue 4" Universal Features

Large, 4-square-inch blue display with easy-to-see characters

Active protection for systems with Comfort Alert™ CA2 module compressor diagnostics

Keypad lockout

Quick one-button programming (See Automatic Schedule section in installation instructions)

Configures as manual heat/cool, auto changeover, heat only or cool only

Exclusive Cool Savings™ feature saves energy during peak A/C demand periods

Adjustable setpoint temperature limits

Hydronic 2 or 3 wire zone valve applications

Battery power monitor

5-year warranty

## Programming

Choice of 7, 5/1/1, 5/2 or ∅ day programmable (1F85-0477, 1F85-0422, 1F85ST-0422)

4 time and 4 temperature settings per program (heat & cool)

Energy savings up to 33%

Pre-programmed software simplifies time and temperature programming

## Display

Large, 4-square-inch LCD with improved contrast for easier reading

Lighted display for easier low-light viewing

## Comfort & Convenience

Optional minimum and maximum temperature configurable

Permanent program retention during power loss

Indefinite setpoint Hold

Air filter change indicator (optional)

Simple "set-up" menu to activate optional features

Temporary temperature override two-hour minimum or until next program period (1F85-0477, 1F85-0422, 1F85ST-0422)

Soft-touch keypad

Display temperature recalibration (+/- 4°)

## Performance

Dual-Powered...choice of battery-powered or hardwired, for all applications – 2 AA batteries included

Selectable Energy Management Recovery (1F85-0477, 1F85-0422, 1F85ST-0422)

Meets ENERGY STAR® specifications (1F85-0477, 1F85-0422, 1F85ST-0422)

Meets California Building Code, Title 24 (1F85-0477, 1F85-0422, 1F85ST-0422)

Fast (FA), medium (ME) or slow (SL) heating and cooling cycle anticipation

Easy-to-wire terminal block

Compressor lockout protection

Millivolt compatible

Electric heat option

## Terminal Designations



## Dimensions

5.1"W x 3.9"H x 1.2"D

## Electrical Specifications

Rating

0 to 30 VAC, 50/60 Hz or DC

0.05 to 1.5 Amps (load per terminal)

2.5 Amps maximum load (all terminals combined)

Single Stage/Heat Pump/  
Multi-Stage Systems

Gas, Oil, Electric

Millivolt Systems

2 or 3 Wire Hydronic Zone Valve

## Thermal Specifications

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

Rated Differential: 0.4° to 1.7°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 F61-2634 (6.5"W x 5"H)  
(Included with all models)

Thermostat Guard F29-0231

(For additional guard options refer to  
White-Rodgers catalog at  
[www.white-rodgers.com](http://www.white-rodgers.com))

## For Additional Information

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

Single Stage	Multi-Stage	Heat Pump	Programs	Model	Applications	Selectable Performance Features										Comfort and Convenience Features						
Stages Heat/Cool by System	Program Options	Model Number	Gas/Oil/Electric	Comfort Alert	3 Wire Zone	Millivolt	Power Source	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	Energy Star	Dual Fuel Option	Keypad Lockout	Temperature Limits	Indoor Remote Sensor	Outdoor Remote Sensor	Lighted Display***	Audible Feedback	Cool Savings™	Daylight Savings Adjustment	Ignition Module Reset	Permanent Memory
1/1	2/2	3/2	7, 5/1/1, ∅	1F85-0477	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	2/2	5/1/1, 5/2, ∅	1F85-0422	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	2/2	5/1/1, 5/2, ∅	1F85ST-0422	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	3/2	∅	1F83-0471	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	2/2	∅	1F83-0422	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

B = Battery, H = Hardwired \*\*\* Optional Continuous Display Light w/Hardwire Connection

White  
Rodgers™

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

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