## 80 Series<sup>™</sup> Thermostats

# Thermostats that fit every customer.

The 80 Series thermostats are the perfect fit for every application with universal, conventional and heat pump models. The standard footprint makes replacements and upgrades easier than ever without leaving visible marks on the wall from the old thermostat.





#### **EASY INSTALLATION**

All models are easy to install & set-up with a built-in level and universal back plate for more opportunities for upgrades in the future.



#### LARGE, BACKLIT DISPLAY

Modern design with a large, easy-to-read screen with a bright backlit display.



#### **ADVANCED FEATURES**

Temperature limits and keypad lockout are standard on every model. Select models feature auto changeover, filter change reminders, dual fuel control and selectable programming.



#### **PROVEN PERFORMANCE**

Over 75 years of experience along with our  $\pm\,1^{\circ}$  temperature accuracy guarantee.





## **Contractor Branding**

Get the next service call by placing your company information directly on the thermostat. Customize your 80 Series thermostats at ProContractorBranding.com.



#### **Training**

Free, self-guided training courses available through Education Central or contact your Territory Manager to set up training at your location or at select wholesalers.



## **Support**

Customer and technical support is available seven days a week at 888-725-9797.

5 year limited warranty for HVAC professionals.





# 80 Series<sup>™</sup> Thermostats

#### **SPECIFICATIONS**

#### **ELECTRICAL RATING**

Battery Power: mV to 30 VAC Hardwire: 20 to 30 VAC NEC Class II, 50/60 Hz

#### **SETPOINT RANGE**

45°F to 99°F (7°C to 37°C)

#### **ACCESSORIES**

Wallplate: F61-2663 (6-3/4" x 4-1/2") Thermostat Guard: F29-0198

#### **DISPLAY TEMPERATURE RANGE**

RATED DIFFERENTIALS (@ 6°F / HR)

Heat (Conventional Gas/Oil/Elect): Cool (Central Air): Heat Pump (Heat and Cool):

Heat Pump (Aux):

**TERMINAL LOAD** 

Staging Models:

0.5°F 0.75°F 1.9°F 0.9°F 1.2°F 1.7°F 0.9°F 1.2°F 1.7°F 0.5°F 0.75°F 1.9°F

Med

Fast

1.5 A per terminal

Slow

**OPERATING AMBIENT** 

32°F to +105°F  $(0^{\circ}C \text{ to } +41^{\circ}C)$ 

#### **OPERATING HUMIDITY**

90% non-condensing max

#### **SHIPPING TEMPERATURE**

-20°F to +150°F (-29°C to +65°C)

THERMOSTAT DIMENSIONS 3-3/4"H x 6"W x1-1/8"D

#### 32°F to +99°F (0°C to 37°C)

Single Stage Models: 1.0 A per terminal

1.5 A per maximum all terminals combined

2.5 A per maximum all terminals combined

#### **TERMINAL DESIGNATIONS**

UNIVERSAL: 1F85U-42PR /1F85U-42NP /1F85U-22PR /1F85U-22NP

**HEAT PUMP:** 1F83H-21PR / 1F83H-21NP















CONVENTIONAL & HEAT PUMP, SINGLE STAGE: 1F83C-11PR / 1F83C-11NP











Maximum Selectable Performance Comfortable and **Power** Model **Program Option Applications** Stages **Convenience Features** Source **Features** Heat/Cool **Temperature Setpoint Limits** EMR/ Early Start Program Continuous Backlight w/ Program Periods per Day Duel Fuel Control (L)-Logic/(O)-Outdoor Filter Change Reminder Non-Programmable MIllivolt Compatible Adjustable Max./Min. Permanent Memory 3 Wire Zone Valve Auto Changeover Hardwired (24V) Gas/Oil/Electric **Keypad Lockout** Common Wire Conventional Heat Pump 5+1+1 Day Battery 7 Day Model Number 7 5+1+1 L 1F85U-42PR 0 4,2,0 2/2 4/2 1F85U-42NP 0 0 2/2 4/2 . L 7 5+1+1 0 4,2,0 2/1 . L 1F85U-22PR 2/2 1F85U-22NP 0 0 2/2 2/1 . L 1F83H-21PR 7 5+1+1 ٥ 4,0 2/1 . . L 1F83H-21NP 0 2/1 L 7 5+1+1 0 4.0 1/1 1/1 1F83C-11PR



1F83C-11NP



Download the app for product and cross reference information

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