80 Series[™] 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° 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[™] 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

32°F to +99°F (0°C to 37°C)

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:

Single Stage 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

Med

Slow

Fast

0.5°F 0.75°F 1.9°F

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 $(-29^{\circ}C \text{ to } +65^{\circ}C)$

THERMOSTAT DIMENSIONS

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

TERMINAL DESIGNATIONS

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

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

1.5 A per terminal

1.0 A per terminal



2.5 A per maximum all terminals combined

1.5 A per maximum all terminals combined















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













Maximum Selectable Performance Comfortable and Power Model **Program Option Applications** Stages Source **Convenience Features Features** Heat/Cool emperature Setpoint Limits EMR/ Early Start Program Program Periods per Day Continuous Backlight w/ Duel Fuel Control (L)-Logic/(O)-Outdoor Filter Change Reminder Non-Programmable Adjustable Max./Min. MIllivolt Compatible 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 Ω 2/1 . L 4.0 1F83H-21NP 0 2/1 L 7 5+1+1 0 1/1 4.0 1/1 1F83C-11PR 1F83C-11NP 0 1/1 1/1





Download the app for product and cross reference information



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