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 ± 1° temperature accuracy guarantee.

**HOW DO YOU BENEFIT?**

**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)

### Terminal Load
- Staging Models: 1.5 A per terminal
- 2.5 A per maximum all terminals combined
- Single Stage Models: 1.0 A per terminal
- 1.5 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

### Terminal Designations

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model</th>
<th>Program Option</th>
<th>Maximum Stages</th>
<th>Heat/Cool</th>
<th>Applications</th>
<th>Power Source</th>
<th>Selectable Performance Features</th>
<th>Comfortable and Convenience Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F85U-42PR</td>
<td>7</td>
<td>5+1+1</td>
<td>Non-Programmable</td>
<td>Conventional</td>
<td>Heat Pump</td>
<td>Gas/Oil/Electric</td>
<td>3 Wire Zone Valve</td>
<td>Battery</td>
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<tr>
<td>1F85U-42NP</td>
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<td>Battery</td>
</tr>
<tr>
<td>1F83C-11NP</td>
<td>0</td>
<td>1/3</td>
<td>Non-Programmable</td>
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### Model Numbers
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- 1F85U-42NP
- 1F85U-22PR
- 1F85U-22NP
- 1F83H-21PR
- 1F83H-21NP
- 1F83C-11PR
- 1F83C-11NP

### Operating Ambient
- 32°F to +105°F (0°C to +41°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 x 1-1/8"D

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