CLASSIC 80 SERIES UNIVERSAL / HEAT PUMP AND SINGLE STAGE THERMOSTATS

Residential and Light Commercial – Single Stage, Multi-Stage and Heat Pump Applications. Classic 80 Series Thermostats are Packed with Premium Features

FEATURES

• Choice of battery powered, dual power or hardwired models.
• Fossil fuel or electric heat compatible.
• Large LCD with backlight.
• Permanent program retention during power loss.
• Configuration menu allows keypad selection of options.
• Selectable Celsius or Fahrenheit temperature display.
• Selectable Energy Management Recovery (1F85-277 / 1F80-361 / 1F87-361 / 1F82-261).

SPECIFICATIONS

Electrical Rating Single Stage:
- Dual Power or Battery Power Model . . . . mV to 30 VAC, NEC Class II, 50/60 Hz or DC
- Input-Hardwire Model . . . . . . . . 20 to 30 VAC
- Electrical Rating Staging . . . . . . . 20 to 30 VAC, NEC Class II
- Terminal Load . . . . . . . . . . . . . 1.0 A per terminal, 1.5 A maximum all terminals combined
- Setpoint Range . . . . . . . . . . . . 45 to 90°F (7 to 32°C)
- Rated Differential (Single Stage) . . . Heat 0.6° or 1.5°F
- Cool 1.2°F
- Rated Differential (Multi-Stage) . . . Heat 0.6° or 1.5°F
- Cool 1.2°F
- Rated Differential (Heat Pump) . . . Heat & Cool 0.75° or 1.2°F
- Operating Ambient . . . . . . . . . . 32 to +105°F (0 to +41°C)
- Operating Humidity . . . . . . . . . 90% non-condensing max.
- Shipping Temperature Range . . . . -4 to +150°F (-20 to +65°C)
- Dimensions Thermostat . . . . . . . 3 7/8"H x 6"W x 1 3/16"D

PARTS AND ACCESSORIES

See end of thermostats section for additional parts and accessories

- F61-2500 — Wallplate 4 5/8"H x 7 5/8"W for all 1F80’s (except Blue)
  Includes adapter plate for mounting to horizontal or vertical junction box
- Thermostat Guards — see pages 34–35
# Classic 80 Series Thermostats

## Universal Staging/Heat Pump Thermostats – Classic 80 Series Thermostats

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### Single Stage Thermostats – Classic 80 Series Thermostats

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* H = Hardwired (Requires Common)  
B, H = Battery Powered or Hardwired  
B = Battery Powered  

** Technical Help **

1F80-224 -240, -241, -361 / 1F86-241, -344 / 1F87-361...Wiring Diagrams/Configuration............See page 159  
1F82-261 / 1F89-211 ...........Wiring Diagrams/Configuration............See page 160  
1F85-277 .........................Wiring Diagrams/Configuration............See page 161