NON-PROGRAMMABLE LARGE DISPLAY THERMOSTATS

Model Numbers

PSTSL11NP – 1 Heat / 1 Cool Conventional or 1 Heat / 1 Cool Heat Pump
PSTSL21NP – Up to 2 Heat / 1 Cool Conventional and Heat Pump

Product Features

- Dual Powered – Hardwired or Battery
- Large Display with Bright Blue Backlight
- Adjustable Temperature Set Point Limits
- Non-Volatile Memory Retains User Settings
- Separate O & B Terminals
- Compressor Short Cycle Protection
- Low Battery Indication
- Separate Heating and Cooling Set Point Temperatures
- ESD Guard™ Electronic Circuitry
- Front Access Reset Button
- F° / C° Switch
- Gas / Electric Fan Switch
- Mount to Horizontal Box
- Adjustable Temperature Differential(s)
- Quick Reference Instruction Card

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Product Specifications

**NON-PROGRAMMABLE LARGE DISPLAY THERMOSTATS**

**PSTSL11NP Terminal Designations**

<table>
<thead>
<tr>
<th>Rh</th>
<th>Rc</th>
<th>O</th>
<th>B</th>
<th>Y1</th>
<th>W1</th>
<th>G</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool 24 Volt AC Transformer</td>
<td>Reversing Valve Cool Active</td>
<td>Heat Control</td>
<td>Transformer Common</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heat 24 Volt AC Transformer</td>
<td>Reversing Valve Heat Active</td>
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</tbody>
</table>

**PSTSL21NP Terminal Designations**

<table>
<thead>
<tr>
<th>Rh</th>
<th>Rc</th>
<th>O</th>
<th>B</th>
<th>Y</th>
<th>E/W1</th>
<th>G</th>
<th>C</th>
<th>W2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cool 24 Volt AC Transformer</td>
<td>Reversing Valve Cool Active</td>
<td>Compressor</td>
<td>Fan Control</td>
<td>2nd Stage Heat / Auxiliary Heat</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Heat 24 Volt AC Transformer</td>
<td>Reversing Valve Heat Active</td>
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</tbody>
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**Architectural Specifications**

The digital non-programmable thermostats shall be PROSELECT® model numbers PSTSL11NP and PSTSL21NP, 3.62” high x 4.72” wide x 1.38” deep, powered independently with either 24 Volt AC or with two “AA” Alkaline batteries (3.0 Volt DC). The thermostat shall be compatible with single stage gas, oil or electric heating or cooling systems including single stage heat pumps and 250mv – 750mv millivolt heating systems. The thermostat shall have a bright blue backlight display, adjustable temperature limits and separate sub-base for trouble free installation. Temperature control range shall be between 45° and 90° F (7° and 32°C), accuracy of +/- 1° F (+/- .5° C), humidity range between 5% and 95% relative humidity. The thermostat shall include non-volatile memory to retain user settings. Thermostat shall have low battery indication and a front reset button will return user settings to default values when pressed. The thermostat can be mounted to a horizontal junction box.

**Product Specifications**

- **Dimensions:** 3.62” x 4.72” x 1.38”
- **Electric Rating:**
  - 24 Volt AC (18-30 Volt AC)
  - 1 amp maximum load per terminal
  - 3 amp total maximum load (all terminals)
- **AC Power:** 18 - 30 Volt AC
- **DC Power:** 3.0 Volts DC (2 “AA” Alkaline batteries included)
- **Compatibility:** Gas, oil or electric systems
  - Heat pump systems
  - 250mv – 750mv millivolt heating systems
- **Control Range:** 45° to 90° F (7° to 32° C)
- **Display Range:** 40° to 99° F (4° to 37° C)
- **Accuracy:** +/- 1° F (+/- .5° C)
- **Temperature Differential:**
  - 1st Stage: 5°, 1°, or 2° F (.25°, .5°, or 1° C)
  - 2nd Stage: (PSTSL21NP Only) 2°, 3°, 4°, 5° or 6°F (1°, 1.5°, 2°, 2.5° or 3°C)
- **Storage Temperature:** 14° to 140° F (-10° to 60° C)
- **Operating Humidity:** 5% to 95% Relative Humidity
- **Terminations:**
  - Rc, Rh, B, O, Y, W1, G, C (PSTSL11NP)
  - Rh, Rc, O, B, Y, E/W1, G, C, W2 (PSTSL21NP)

**Shipping Information**

**INDIVIDUAL CARTON**

- **Dimensions:** 3.8” x 5.8” x 1.6”
- **Weight:** .70 lbs.

**MASTER CARTON**

- **Quantity:** 12
- **Dimensions:** 11” x 11.7” x 4.3”
- **Cubic Feet:** .32
- **Weight:** 9.2 lbs.

**PROSELECT PSTSL11NP Replaces**

- Honeywell® T87F, T834, TH1110, TH3110, T8400C, T8401C, T8034C
- White-Rodgers® 1D56, 1E56, 1E78-145, 1F56, 1F78-144
- Braeburn® 1000NC, 1020NC
- Robertshaw® RS2110, 8400, 8401, 9400, 9401, 9500
- LuxPro® PSD011W, PSD011B, PSD111, PSM400SA

**PROSELECT PSTSL21NP Replaces**

- Honeywell® TH1210, TH3210, T8411, T8424C
- White-Rodgers® 1F73-174, 1F79-111
- Braeburn® 1200NC, 1220NC
- Robertshaw® RS2210, 8425-1, 9415, 9420, 9515, 9520
- ICM® SC2200, SC2201, SC2201L, SC2201H, SC2201L, SC2300, SC2301
- LuxPro® PSDH121, PSD152

*Verify specific application requirements. All trademarks are the property of their respective owners.*