The Carrier® Base series of thermostats consists of programmable and non-programmable air conditioner and heat pump controls. These units feature non-mercury, non-lead based electronic controls built into a subtle, slim plastic enclosure.

**FEATURES/BENEFITS**

**Programmable and Non-Programmable Models**
- Non-volatile memory to retain settings during a power outage
- English/Metric units selection
- Modes include Off, Cool, Heat and Eheat (emergency heat on heat pump models only)
- Auxiliary heat indicator (heat pump models only)

**Programmable Models**
- 5-2 days programmable
- Operation with batteries optional

**Air Conditioner Control**
- 1-stage heat / 1-stage cool

**Heat Pump Control**
- 2-stage heat / 1-stage cool

**Designed and Assembled in the USA.**

MODEL NUMBER NOMENCLATURE

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**Product Type**
- Thermostat

**Series**
- Base

**Equipment Type**
- AC = Air Conditioning
- HP = Heat Pump

**Function Type**
- P = Programmable
- N = Non-programmable

**Not Defined**
- Place Holder

DIMENSIONS

**Fig. 3 - Base Programmable Thermostat**

- 5.5 in. (139.7 mm)
- 3.6 in. (91.44 mm)
- 1.0 in. (25.4 mm)

**Fig. 4 - Base Non-programmable Thermostat**

- 4.3 in. (109.22 mm)
- 2.7 in. (68.58 mm)
- 0.9 in. (22.86 mm)

PRODUCT DATA INFORMATION

**Physical Characteristics**
- Dimensions: See drawing
- Mounting: Horizontal J-box provisions

**Electrical**
- Input volts/amps: 24VAC, 3 VA

**Environment**
- Operating temperature/Relative humidity: 32°F (0°C) to 104°F (40°C), 95% RH non-condensing
- Storage temperature/Relative humidity: -40°F (-40°C) to 134°F (57°C), 95% RH non-condensing

**Wiring Requirements**
- Standard 18 to 22 gauge, local wiring codes supercede.

**Accessories**

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<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tr>
<td>TX–MBP01</td>
<td>Medium decorative backplate for TB–Pxx</td>
</tr>
<tr>
<td>TX–SBP01</td>
<td>Small decorative backplate for TB–Nxx</td>
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OPERATIONAL INFORMATION

**Heating/Cooling Setpoints**
- The heating/cooling setpoint range is from 50°F (10°C) to 90°F (32°C). A selectable range of 1–6° is enforced between heating and cooling desired temperatures. This is done by allowing one setting to “push” the other, to maintain this difference. (This difference is adjustable in Installer settings.)

**Five-minute Compressor Time Guard**
- This timer prevents the compressor from starting unless it has been off for at least 5 minutes. It can be defeated for 1 cycle by simultaneously pressing the FAN button and INCREASE TEMPERATURE (UP) button.

**Equipment On Indicators**
- When cooling equipment is ON, a COOL ON icon is displayed.
- When heating equipment is ON, a HEAT ON icon is displayed.
- When auxiliary heating is ON (HP only), an AUX HEAT icon is displayed.

**Emergency Heat Mode**
- When thermostat is controlling a heat pump and emergency heat is selected, all Y signals are locked out, and W becomes energized upon a call for heat.

**Room Temperature Offset**
- Room temperature may be deliberately offset by up to 5° in either direction.