

# 84210T 5/2, 7 Day or Non-Programmable Touchscreen Thermostat



## Compatibility:

- Up to 4 Heat / 2 Cool Heat Pump Systems  
Up to 3 Heat / 2 Cool Conventional Systems
- 24 VAC Gas, Oil or Electric Systems
- Millivolt
- Hot water gravity & zoned
- Hot water solenoid valves (2-wire)
- Air / Ground / Hydronic Exchanger

## Features:

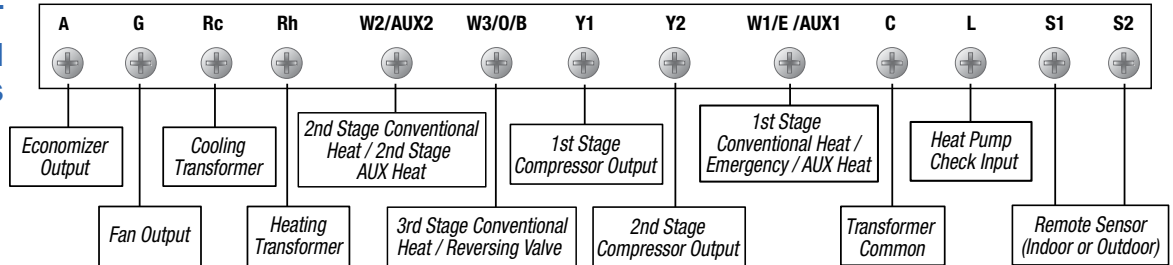
- 10 Square Inch Touchscreen Display with Bright Blue Backlight
- Residential or Commercial Modes
- Indoor or Outdoor Remote Sensing
- Auto or Manual Changeover
- Adjustable Compressor Protection
- Hardwire or Battery Powered
- Adjustable Temperature Limits
- Separate User and Installer Reset Buttons
- Auxiliary Heat Fossil Fuel Option
- Multi-Level Keypad Lockout
- Economizer Control
- Programmable Fan Mode
- English / Spanish Packaging and Instruction Card

As a licensee in the Energy Aware Programmable Thermostat Program, Sealed Unit Parts Company has determined that this product meets the NEMA Energy Aware efficiency specifications for programmable thermostats. Visit [www.getenergyaware](http://www.getenergyaware) for more information.



**ULTIMATE SERIES**

### 84210T Terminal Designations



### Architectural Specifications

The universal touchscreen thermostat shall be a CTC® model number 84210T, 4.13" high x 6.13" wide x 1.38" deep, powered with either 24 Volt AC or with two "AA" Alkaline batteries (3.0 Volt DC). In the event of a power failure, the unit shall retain all user, installer and program settings. The thermostat shall be compatible with low voltage single stage or multi-stage gas, oil, or electric conventional heating or cooling systems with up to three stages of heating and two stages of cooling, and heat pump systems with up to four stages of heating and two stages of cooling. Also compatible with 250mv – 750mv millivolt heating only systems. The thermostat shall have a bright blue backlight touchscreen display, separate sub-base and multi-level keypad lockout. Temperature control range shall be between 45° and 90° F (7° and 32° C), accuracy of +/- 1° F (+/- .5° C). Operating humidity range between 5% and 95% relative humidity. The thermostat shall include separate installer and user setup modes, residential or commercial setup modes, permanent non-volatile memory to retain user settings, filter, UV and humidifier pad check monitor, adaptive recovery mode, programmable independent fan control, residual cooling fan delay, indoor or outdoor remote sensor capability, auxiliary heat fossil fuel programming, and compressor power outage protection. A front reset button will return user settings to default values when pressed. Meets California Title 24 and Energy Aware® Guidelines.

### Product Specifications

|                             |   |
|-----------------------------|---|
| <b>Dimensions:</b>          | 4.13" x 6.13" x 1.38"   |
| <b>Electric Rating:</b>     | 24 Volt AC (18-30 Volt AC)<br>1 amp maximum load per terminal<br>7 amp total maximum load (all terminals) |
| <b>AC Power:</b>            | 18-30 Volt AC   |
| <b>DC Power:</b>            | 3.0 Volts DC<br>(2 "AA" Alkaline batteries included)  |
| <b>Control Range:</b>       | 45° to 90° F (7° to 32° C)  |
| <b>Display Range:</b>       | 40° to 99° F (5° to 37° C)  |
| <b>Accuracy:</b>            | +/- 1° F (+/- .5° C)  |
| <b>Storage Temperature:</b> | 14° to 140° F (-10° to 60° C)   |
| <b>Operating Humidity:</b>  | 5% to 95% Relative Humidity   |
| <b>Terminations:</b>        | A, G, Rc, Rh, W2/AUX2, W3/O/B, Y1, Y2,<br>W1/E/AUX1, C, L, S1, S2   |

### Shipping Information

#### INDIVIDUAL CARTON

**Dimensions:** 6.8" x 4.7" x 2.0"  
**Weight:** 1.2 lbs.

#### MASTER CARTON

**Quantity:** 6  
**Dimensions:** 14.3" x 6.6" x 5.4"  
**Cubic Feet:** .26  
**Weight:** 8 lbs.

### Accessories

BTG-UN Universal Thermostat Guard  
6390 Remote Indoor Sensor  
6490 Remote Outdoor Sensor

Date: \_\_\_\_\_

Engineer: \_\_\_\_\_

Job Name: \_\_\_\_\_

Model No.: \_\_\_\_\_

Location: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Contractor: \_\_\_\_\_

Submitted For Approval: \_\_\_\_\_ Record: \_\_\_\_\_