

# Braeburn®

# 2220

**Up to 2 Heat / 2 Cool Conventional**  
**Up to 2 Heat / 1 Cool Heat Pump**  
**Universal Programmable Thermostat**



## Features

- 5-2 Day, 7 Day or Non-Programmable
- Large 3 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- SpeedSet® Programming Mode
- Permanent Memory Retains User Settings
- Filter Check Monitor
- Adjustable Temperature Differentials
- Adaptive Recovery Mode (ARM™)
- Meets Energy Aware® Guidelines\*
- ESD Guard™ Electronic Circuitry
- Compressor Short Cycle Protection
- Temporary Program Override
- Programmable Extended Hold Mode
- Front Access Reset Button
- F° / C° Switch
- Trilingual Packaging and Instruction Card with FREE Contractor Branding

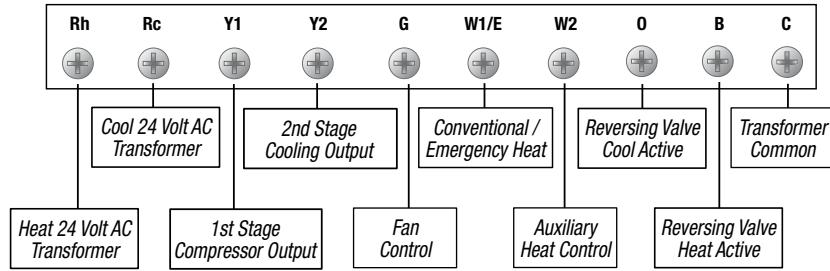
## ECONOMY SERIES

**FREE Contractor Branding! Visit [braeburnonline.com](http://braeburnonline.com)**

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

Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.)

## Terminal Designations



## Architectural Specifications

The digital programmable thermostat shall be a Braeburn®, model number 2220, 3.70" high x 5.16" 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 multi-stage conventional systems up to two stages of heating and two stages of cooling or heat pump systems with up to two stages of heating and one stage of cooling. The thermostat shall have a bright blue backlight display 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, adjustable temperature limits, filter check monitor, adaptive recovery mode (ARM™), separate heating and cooling set point program times and temperatures, and auxiliary heat indicator. 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. Meets Energy Aware® Guidelines.

## Product Specifications

<b>Dimensions:</b>	3.70" x 5.16" x 1.38"
<b>Electric Rating:</b>	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 4 amp total maximum load (all terminals)
<b>AC Power:</b>	18-30 Volt AC
<b>DC Power:</b>	3.0 Volts DC (2 "AA" Alkaline batteries included)
<b>Compatibility:</b>	Conventional systems up to 2 heat / 2 cool; Heat pump systems with one compressor and up to one auxiliary stage; Millivolt heating systems
<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>Temperature Differential:</b>	1st Stage - .5°, 1°, or 2° F (0.2°, 0.5°, or 1° C) 2nd Stage - 1°, 2°, 3°, 4°, 5°, or 6° F (.5°, 1°, 1.5°, 2°, 2.5°, or 3° 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>	Rh, Rc, Y1, Y2, G, W1/E, W2, O, B, C

## Shipping Information

### INDIVIDUAL CARTON

**Dimensions:** 3.9" x 6.2" x 1.6"  
**Weight:** .72 lbs.

### MASTER CARTON

**Quantity:** 6  
**Dimensions:** 5.2" x 12.8" x 4.5"  
**Cubic Feet:** .17  
**Weight:** 4.7 lbs.

## Braeburn 2220 Replaces\*

**Honeywell®** TH4210, TH6220  
**Emerson®** 1F81-261, 1F82-261

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

## Accessories

2950 Universal Wall Plate (6.5" x 6.5" x .125")  
5970 Universal Thermostat Guard

## FREE Contractor Branding Available!

Visit our website ([www.braeburnonline.com](http://www.braeburnonline.com)) for more information, contact your local distributor or call our sales department toll-free at 866.268.5599 (U.S.), +1.630.844.1968 (Outside the U.S.).

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

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

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

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

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

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

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

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