Braeburn®

2220NC

Up to 2 Heat / 1 Cool
Conventional and Heat Pump
5-2 Day Programmable Thermostat

energy AWARE®

ACTUAL SIZE

5 YEAR LIMITED WARRANTY

Features

- 5-2 Day Programming
- Large 2 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Filter Check Monitor
- Adjustable Temperature Differential
- Adaptive Recovery Mode (ARM™)
- Meets Energy Aware® Guidelines*

- Auxiliary Heat Status Indicator
- ESD Guard™ Electronic Circuitry
- Compressor Short Cycle Protection
- Temporary Program Override
- Programmable Extended Hold Mode
- Front Access Reset Button
- F° / C° Switch
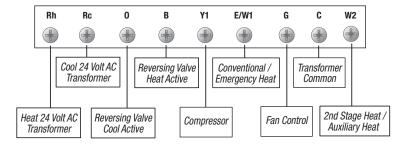- English / Spanish Packaging and Instruction Card with FREE Contractor Branding

BUILDER SERIES

FREE Contractor Branding! Visit 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 for more information.

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

Braeburn

Terminal Designations

Rh	Rc	O	B	Y1	E/W1	G	C	W2

Cool 24 Volt AC Transformer

Reversing Valve Heat Active

Conventional / Emergency Heat

Transformer Common

Heat 24 Volt AC Transformer

Reversing Valve Cool Active

Compressor

Fan Control

2nd Stage Heat / Auxiliary Heat

Architectural Specifications

The digital programmable thermostat shall be a Braeburn® model number 2220NC, 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 multi-stage conventional systems with up to two stages of heating and one stage of cooling and heat pump systems with one compressor and up to one auxiliary stage. 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 all user and program 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 California Title 24 and Energy Aware® Guidelines.

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 4 amp total maximum load (all terminals)
AC Power:	18-30 Volt AC
DC Power:	3.0 Volts DC (2 "AA" Alkaline batteries included)
Compatibility:	Conventional systems with up to two stages of heating and one stage of cooling; Heat pump systems with one compressor and up to one auxiliary stage; 250mv - 750mv millivolt heating systems
Control Range:	45° to 90° F (7° to 32° C)
Display Range:	40° to 99° F (5° to 37° C)
Accuracy:	+/- 1° F (+/- .5° C)
Temperature Differential:	1st Stage - .5°, 1°, or 2° F (.25°, .5°, or 1° C) 2nd Stage - 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, Y1, E/W1, G, C, W2

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.

Braeburn 2220NC Replaces*

Honeywell®	TH2210, T8011, T8024
White-Rodgers®	1F72-151, 1F73-174

*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
5390 Remote Indoor Sensor
5490 Remote Outdoor Sensor

FREE Contractor Branding Available!

Visit our website (**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: _____

Job Name: _____

Location: _____

Contractor: _____

Engineer: _____

Model No.: _____

Submitted By: _____

Submitted For Approval: _____ Record: _____

Braeburn Systems LLC • 2215 Cornell Avenue • Montgomery, IL 60538 • Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.)