

# Braeburn®

## 2020NC

Single Stage Heat / Cool  
Conventional or Heat Pump  
5-2 Day Programmable Thermostat



### 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\*
- 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

**BUILDER  
SERIES**

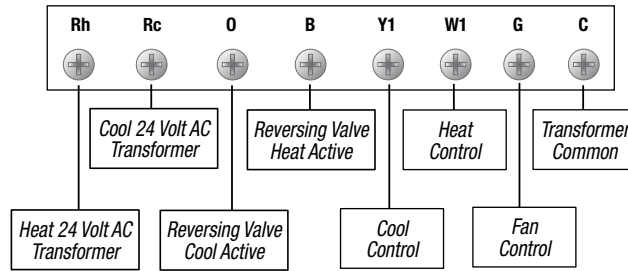
**FREE Contractor Branding! Visit [braeburnonline.com](http://braeburnonline.com)**

\*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.)

# Braeburn®

## Terminal Designations



## Architectural Specifications

The digital programmable thermostat shall be a Braeburn® model number 2020NC, 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 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™) and separate heating and cooling set point program times and temperatures. Thermostat shall have low battery indication and a front reset button will return all user and program 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>	3.62" x 4.72" x 1.38"
<b>Electric Rating:</b>	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 3 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>	Single stage gas, oil or electric systems Single stage heat pump systems 250mv – 750mv 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>	.5°, 1°, or 2° F (0.2°, 0.5°, or 1° 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>	Rc, Rh, O, B, Y1, W1, G, C

## Shipping Information

<b>INDIVIDUAL CARTON</b>	<b>MASTER CARTON</b>
<b>Dimensions:</b> 3.8" x 5.8" x 1.6"	<b>Quantity:</b> 12
<b>Weight:</b> .70 lbs.	<b>Dimensions:</b> 11" x 11.7" x 4.3"
	<b>Cubic Feet:</b> .32
	<b>Weight:</b> 9.2 lbs.

## Braeburn 2020NC Replaces\*

<b>Honeywell®</b>	TH2110
<b>Emerson®</b>	1F78-151, 1E78-151

\*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: \_\_\_\_\_  
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.)