Braeburn®

The brighter choice®

Thermostats

Braeburn

Table of Contents

Builder Series - *Value Models*

500 / 505 megaswitch® Mechanical..... 2
1000NC / 1200NC Non-Programmable..... 3
2000NC / 2200NC Programmable 4

Builder Series

1020NC / 1025NC / 1220NC Non-Programmable... 5
2020NC / 2220NC Programmable 6

Economy Series

1020 / 1220 Non-Programmable..... 7
2020 / 2220 Programmable 8

Premier Series

3020 / 3220 Non-Programmable 9
5020 / 5220 Programmable 10

Premier Series Touchscreen

5310 / 5320 11-12

Deluxe Series Touchscreen

6100 / 6300 / 6400 13-14

Accessories 15
Thermostat Features 16
FREE Contractor Branding 17

BUILDER SERIES

Mechanical Thermostats

500 - 1H / 1C

505 - Heat Only

megaswitch® magnetic switch technology – tested for long switch life

500 Series Features

- Heavy Duty Ball-Type System and Fan Switches
- Environmentally Safe - Mercury Free
- Front Mounted Wiring Terminals
- Heavy Duty Anticipator
- Integrated Sub-Base for Easy Installation
- Electro-Plated Wiring Terminals to Help Prevent Corrosion
- No Leveling Required During Installation

ABC Heating & Cooling
For Service Call 800-555-1234
abcservice@internet.com

Durable Clear Labels with FREE Contractor Branding Available. *See page 17.*

500 - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 24 Volt AC Gas, Oil, Electric and Millivolt Systems
- System Lever COOL/OFF/HEAT
- Fan Control Lever AUTO/ON
- 2 Wire Hydronic Zone Systems

505 - Heat Only

- Heat Only
- 24 Volt AC Gas, Oil, Electric and Millivolt Systems
- System Lever OFF/HEAT
- 2 Wire Hydronic Zone Systems

1 YEAR LIMITED WARRANTY

Accessories Available–See Page 15.

Braeburn

Bright Blue Display

BUILDER SERIES

Non-Programmable Thermostats

Value Models

1000NC - 1H / 1C

1200NC - 2H / 1C

Get the comfort of digital control for close to the cost of a mechanical thermostat

1000NC/1200NC Features

- Bright Blue Display Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Compressor Short Cycle Protection
- Separate O & B Terminals
- Front Access Reset Button
- Gas / Electric Fan Switch
- Low Battery Indicator
- F° / C° Switch
- English / Spanish Packaging and Instructions

FREE Contractor Branding on Battery Doors. See page 17.

1000NC - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

1200NC - 2H / 1C

- Conventional Systems Up to 2H / 1C
- Heat Pump Systems with a Single Compressor and Up to One Auxiliary Stage
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

2 YEAR LIMITED WARRANTY

Accessories Available–See Page 15.

Braeburn

energy AWARE

Bright Blue Display

BUILDER SERIES

Programmable Thermostats

Value Models

2000NC - 1H / 1C

2200NC - 2H / 1C

Simple 5-2 day programming with large display

2000NC/2200NC Features

- 5-2 Day Programming
- Bright Blue Display Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Compressor Short Cycle Protection
- Adjustable Temperature Differentials
- Programmable Extended Hold Mode
- Adaptive Recovery Mode (ARM™)
- Separate O & B Terminals
- Auxiliary Heat Status Indicator (2200NC)
- Front Access Reset Button
- Meets California Title 24 Guidelines
- Filter Check Monitor
- Low Battery Indicator
- F° / C° Switch
- English / Spanish Packaging and Instructions

FREE Contractor Branding on Battery Doors. See page 17.

2000NC - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

2200NC - 2H / 1C

- Conventional Systems Up to 2H / 1C
- Heat Pump Systems with a Single Compressor and Up to One Auxiliary Stage
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

*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.

2 YEAR LIMITED WARRANTY

2 Sq. In. Display

BUILDER SERIES

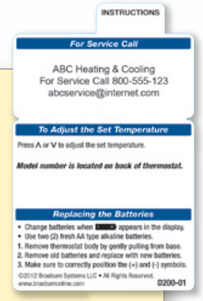
Non-Programmable Thermostats

1020NC - 1H / 1C
1025NC - Heat Only
1220NC - 2H / 1C

Large 2 sq. in. easy-to-read display

1020NC/1220NC Features

- Large 2 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Separate O & B Terminals*
- Compressor Short Cycle Protection*
- Low Battery Indicator
- ESD Guard™ Electronic Circuitry
- Front Access Reset Button
- F° / C° Switch
- Gas / Electric Fan Switch
- Adjustable Temperature Differential
- English / Spanish Packaging and Instructions



FREE Contractor Branding on Quick Reference Instruction Card. See page 17.

1020NC - 1H / 1C
- Single Stage Conventional or Heat Pump Systems
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

1025NC - Heat Only
- Conventional Heat Only Systems
- 2 or 3 Wire Hydronic Zone Systems
- Millivolt Systems

1220NC - 2H / 1C
- Conventional Systems Up to 2H / 1C
- Heat Pump Systems with a Single Compressor and Up to One Auxiliary Stage
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

*Except model 1025NC.

Accessories Available–See Page 15.

Braeburn

energy AWARE

2 Sq. In. Display

BUILDER SERIES

Programmable Thermostats

2020NC - 1H / 1C
2220NC - 2H / 1C

Large 2 sq. in. display with simple one button 5-2 day programming

2020NC/2220NC 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™)
- Low Battery Indicator
- ESD Guard™ Electronic Circuitry
- Compressor Short Cycle Protection
- Temporary Program Override
- Programmable Extended Hold Mode
- Front Access Reset Button
- F° / C° Switch
- Auxiliary Heat Status Indicator (2220NC)
- English / Spanish Packaging and Instructions
- Meets California Title 24 Guidelines

FREE Contractor Branding on Quick Reference Instruction Card. See page 17.

2020NC - 1H / 1C
- Single Stage Conventional or Heat Pump Systems
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

2220NC - 2H / 1C
- Conventional Systems Up to 2H / 1C
- Heat Pump Systems with a Single Compressor and Up to One Auxiliary Stage
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

Accessories Available–See Page 15.

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

3 Sq. In. Display

ECONOMY SERIES

Non-Programmable Thermostats

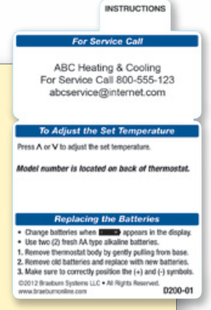
1020 - 1H / 1C

1220 - 2H / 2C

Large 3 sq. in. display with easy-to-use controls

1020/1220 Features

- Large 3 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Compressor Short Cycle Protection
- Adjustable Temperature Differential
- Separate O & B Terminals
- Low Battery Indicator
- ESD Guard™ Electronic Circuitry
- Front Access Reset Button
- F° / C° Switch
- Gas / Electric Fan Switch
- English / Spanish Packaging and Instructions



FREE Contractor Branding on Quick Reference Instruction Card. See page 17.

1020 - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

1220 - 2H / 2C

- Conventional Systems Up to 2H / 2C
- Heat Pump Systems with a Single Compressor and Up to One Auxiliary Stage
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Accessories Available–See Page 15.

Braeburn

energy AWARE

3 Sq. In. Display

ECONOMY SERIES

Programmable Thermostats

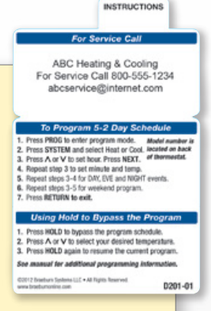
2020 - 1H / 1C

2220 - 2H / 2C

Large 3 sq. in. display with one button 5-2 day programming

2020/2220 Features

- 5-2 Day Programming
- Large 3 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Filter Check Monitor
- Low Battery Indicator
- Adaptive Recovery Mode (ARM™)
- ESD Guard™ Electronic Circuitry
- Compressor Short Cycle Protection
- Temporary Program Override
- Programmable Extended Hold Mode
- Front Access Reset Button
- F° / C° Switch
- Auxiliary Heat Indicator (2220)
- English / Spanish Packaging and Instructions
- Meets California Title 24 Guidelines



FREE Contractor Branding on Quick Reference Instruction Card. See page 17.

2020 - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

2220 - 2H / 2C

- Conventional Systems Up to 2H / 2C
- Heat Pump Systems with a Single Compressor and Up to One Auxiliary Stage
- 2 Wire Hydronic Zone Systems
- Millivolt Systems

Accessories Available–See Page 15.

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

4 Sq. In. Display

PREMIER SERIES

Non-Programmable Thermostats

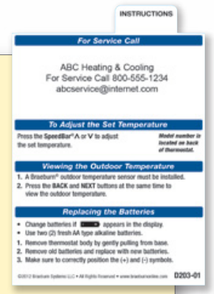
3020 - 1H / 1C

3220 - 3H / 2C

SpeedBar® interface simplifies setup and operation

3020/3220 Features

- Bright Blue Backlight
- Auto or Manual Changeover
- Speedbar® Multi-Function Button
- Indoor or Outdoor Remote Sensing
- User Selectable Service Monitors
- Separate User and Installer Reset Buttons
- Multi-Level Keypad Lockout
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Residual Cooling Fan Delay
- Set Point Adjustment Limits
- Auxiliary Heat Fossil Fuel Option and Adjustable Balance Points (3220)
- English / Spanish Packaging and Instructions



FREE Contractor Branding on Quick Reference Instruction Card. See page 17.

3020 - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 2 or 3 Wire Hydronic Zone Systems

3220 - 3H / 2C

- Conventional Systems Up to 2H / 2C
- Heat Pump Systems with Up to Two Compressors and One Auxiliary Stage
- 2 or 3 Wire Hydronic Zone Systems

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

5390 Indoor Remote Sensor

5490 Outdoor Remote Sensor

5970 Thermostat Guard

Contractors! Buy a 3020 or 3220 thermostat and get a FREE Braeburn thermostat guard or remote sensor.
Visit www.braeburnonline for details.

Accessories Available – See Page 15.

Braeburn

energy AWARE

5 Sq. In. Display

PREMIER SERIES

Programmable Thermostats

5020 - 1H / 1C

5220 - 3H / 2C

Flexible programming for residential and commercial applications

5020/5220 Features

- 7 Day, 5-2 Day or Non-Programmable
- Bright Blue Backlight
- Auto or Manual Changeover
- SpeedBar® Multi-Function Button
- Adjustable Temperature Limits
- Indoor or Outdoor Remote Sensing
- SpeedSet™ Programming Mode
- User Selectable Service Monitors
- Hardwire or Battery Powered
- Multi-Level Keypad Lockout
- Separate User and Installer Reset Buttons
- Programmable Fan Operation
- Temporary Override Limits
- Residential and Commercial Modes
- Auxiliary Heat Fossil Fuel Option and Adjustable Balance Points (5220)
- English / Spanish Packaging and Instructions
- Meets California Title 24 Guidelines

FREE Contractor Branding on Quick Reference Instruction Card. See page 17.

5020 - 1H / 1C

- Single Stage Conventional or Heat Pump Systems
- 2 or 3 Wire Hydronic Zone Systems

5220 - 3H / 2C

- Conventional Systems Up to 2H / 2C
- Heat Pump Systems with Up to Two Compressors and One Auxiliary Stage
- 2 or 3 Wire Hydronic Zone Systems

5390 Indoor Remote Sensor

5490 Outdoor Remote Sensor

5970 Thermostat Guard

Contractors! Buy a 5020 or 5220 thermostat and get a FREE Braeburn thermostat guard or remote sensor.
Visit www.braeburnonline for details.

Accessories Available – See Page 15.

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

6.5 Sq. In. Display

PREMIER SERIES

Programmable Touchscreen Thermostats

5310 - 1H / 1C

5320 - 4H / 2C

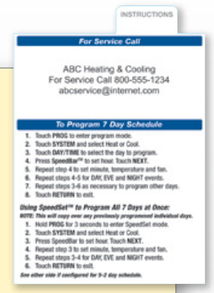
The affordable touchscreen. All the features of our deluxe touchscreen with a compact easy-to-read display

SpeedBar® Multi-Function Button
Simplifies programming and set-up

Large 6.5 Sq. In. Touchscreen with Oversized Characters
Easier to view and change settings

SpeedSet™ Programming Mode
Quickly program all 7 days

Quick Reference Instruction Card
User instructions with FREE Contractor Branding


INSTRUCTIONS

For Service Call

ABC Heating & Cooling
For Service Call 800-555-1234
abcservice@internet.com

To Program 7 Day Schedule

1. Touch PROG to enter program mode.
2. Touch SYSTEM and select Heat or Cool.
3. Touch DAY/TIME to select the day to program.
4. Press SpeedBar® to set hour. Touch NEXT.
5. Repeat step 4 to set minute, temperature and fan.
6. Repeat steps 4-5 for DAY, EVE and NIGHT events.
7. Repeat steps 3-6 as necessary to program other days.
8. Touch RETURN to exit.

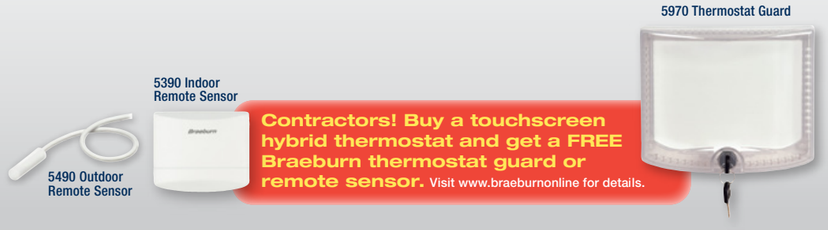
Using SpeedSet™ to Program All 7 Days at Once:

NOTE: This will copy over any previously programmed individual days.

1. Hold PROG for 3 seconds to enter SpeedSet mode.
2. Touch SYSTEM and select Heat or Cool.
3. Press SpeedBar to set hour. Touch NEXT.
4. Repeat step 3 to set minute, temperature and fan.
5. Repeat steps 3-4 for DAY, EVE and NIGHT events.
6. Touch RETURN to exit.

See other side if configured for 5-2 day schedule.

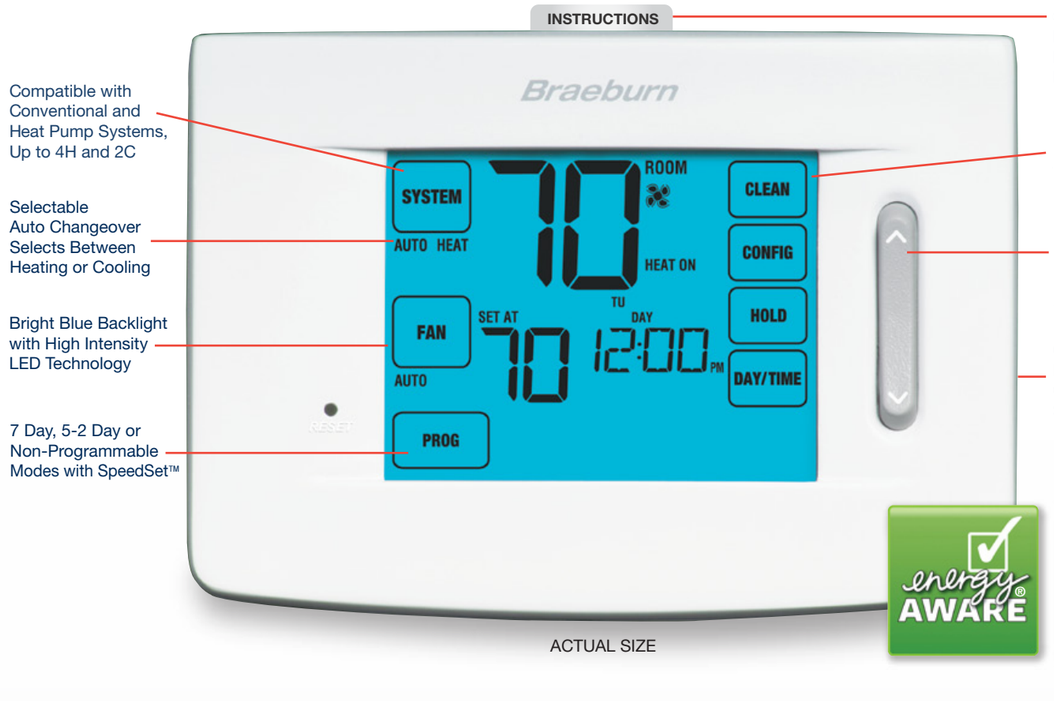
FREE Contractor Branding on Quick Reference Instruction Card. See page 17.



Contractors! Buy a touchscreen hybrid thermostat and get a FREE Braeburn thermostat guard or remote sensor. Visit www.braeburnonline for details.

Accessories Available – See Page 15.

Braeburn®



Compatible with Conventional and Heat Pump Systems, Up to 4H and 2C

Selectable Auto Changeover Selects Between Heating or Cooling

Bright Blue Backlight with High Intensity LED Technology

7 Day, 5-2 Day or Non-Programmable Modes with SpeedSet™

Quick Reference Instruction Card with FREE Contractor Branding

Large 6.5 sq. in. Easy-to-Read Touchscreen

SpeedBar® Multi-Function Button Simplifies Programming and Setup

Compatible with Braeburn Indoor or Outdoor Remote Sensors

ACTUAL SIZE

energy AWARE®

A blend of touchscreen and button thermostats for the best of both worlds.

Additional Features

- 7 Day, 5-2 Day or Non-Programmable
- Bright Blue Backlight Display
- Auto or Manual Changeover
- Circulating Fan Mode
- Hardwire or Battery Powered
- Programmable Fan Mode
- User Selectable Service Monitors
- Built in Economizer Control (5320)
- Multi-Level Keypad Lockout
- Indoor or Outdoor Remote Sensing
- Adjustable Temperature Limits
- Separate User and Installer Reset Buttons
- Residential and Commercial Modes
- Auxiliary Heat Fossil Fuel Option and Adjustable Balance Points (5320)
- English / Spanish Packaging and Instructions
- Meets California Title 24 Guidelines

Touchscreen hybrid®

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

12 Sq. In. Display

DELUXE SERIES

Programmable Touchscreen Thermostats

6100 - 1H / 1C

6300 - 4H / 2C

6400 - 4H / 2C with Humidity Control

Our full featured thermostat. It solves the problems of today's touchscreens.

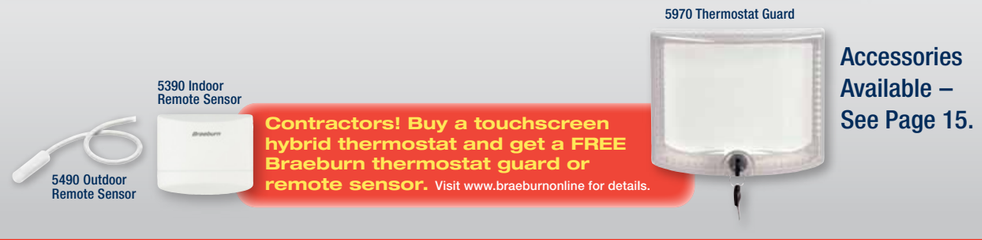
SpeedBar® Multi-Function Button
Simplifies programming and set-up

Large 12 Sq. In. Touchscreen with Oversized Characters
Easier to view and change settings

SpeedSet™ Programming Mode
Quickly program all 7 days

Quick Reference Instruction Card
User instructions with FREE Contractor Branding

FREE Contractor Branding on Quick Reference Instruction Card. See page 17.



Accessories Available – See Page 15.

Braeburn

ACTUAL SIZE

energy AWARE®

A blend of touchscreen and button thermostats for the best of both worlds.

Additional Features

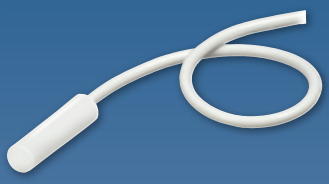
- 7 Day, 5-2 Day or Non-Programmable
- Bright Blue Backlight Display
- Auto or Manual Changeover
- Circulating Fan Mode
- Hardwire or Battery Powered
- Programmable Fan Mode
- User Selectable Service Monitors
- Indoor or Outdoor Remote Sensing
- Adjustable Temperature Limits
- Residential or Commercial Modes
- Separate User and Installer Reset Buttons
- Humidification and Dehumidification Control (6400)
- Economizer Control (6300, 6400)
- Auxiliary Heat Fossil Fuel Option and Adjustable Balance Points (6300, 6400)
- English / Spanish Packaging and Instructions
- Meets California Title 24 Guidelines

Touchscreen hybrid®

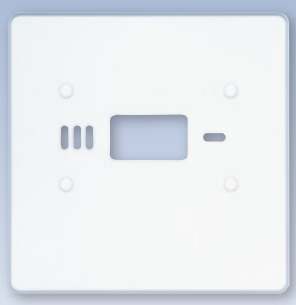
RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

FREE Accessory with Thermostat Purchase!



Additional Accessories



Braeburn® Accessories

Contractors! Buy a 3020, 3220, 5020, 5220, 5310, 5320, 6100, 6300 or 6400 thermostat and get a FREE thermostat guard or remote sensor. Visit www.braeburnonline.com for details.

5390 Remote Indoor Sensor

- Contemporary Style for Any Decor
- For Use with Compatible Braeburn Thermostats
- Sense Range of 40˚ to 99˚F

5490 Remote Outdoor Sensor

- Mounts Outdoors up to 200 Feet Away
- Auto Detected by Braeburn Thermostats
- Enables Outdoor Control Functions on Compatible Braeburn Thermostats
- Sense Range of -40˚ to 120˚F

5970 Universal Thermostat Guard

- Universal–Fits Virtually All Thermostats
- Replaces Over 100 Competitive Models
- Tamper Resistant Design
- For New and Existing Thermostat Applications
- Slim Contemporary Style
- Strong Durable Clear Plastic
- Two Keys Included
- Fits thermostats up to 7.3”W x 5.25”H x 1.8”D

165 Construction Thermostat

- Install in Place of Standard 24 Volt AC Thermostat During Construction
- Maintains Fixed Temperature Set Point of 65˚ Heat
- Tamper-proof Design Prevents Temperature Adjustment
- Sturdy Enclosure Protects Switch from Drywall Dust, Paint and Mudding

2950 Universal Wall Plate

- Covers Mounting Marks from Old Thermostats
- Use with All Braeburn Digital Thermostats
- 6.5”W x 6.5”H

FREE Contractor Branding and Online Ordering

Builder, Economy, Premier and Deluxe Series
Durable Clear Labels

Value Models
Attractive Laser Marking on Battery Doors

Mechanical
Durable Clear Labels

Contractor Branding

Participation is Quick and Easy...

Competitive programs require you or your contractors to purchase huge inventories of their product to participate. With Braeburn, there are no minimum purchase requirements for the contractor to advertise 24 hours a day in customers' homes–where their name will get the most attention when it is time for maintenance or equipment repair.

- To order, visit www.braeburnonline.com or call our customer service department at 1-866-268-8892.
- Contractors will receive 48 contractor branded labels or doors absolutely FREE, with no set-up fees or separate branding charges[1]. Please allow 2 to 3 weeks for delivery.
- Thermostats can be purchased when the contractor needs them for a job. Neither you nor your customers will need to carry huge inventory costs.
- Contractor branded labels or doors will always be in your customers' inventory when they need them.

Distributor Benefits of the FREE Braeburn Contractor Branding Program

Easy Program to Sell	The program is FREE to contractors. No minimum thermostat purchase is required.
Quick Delivery	No long lead-times.
Easier Logistics	No ordering or receiving the same thermostat item number with various contractor brands.
Lower Inventory Costs	No stocking of multiple thermostat variations required.
No Excess Inventory	Eliminate carrying dead inventory of contractor specific branded thermostats.

Contractor Benefits of the FREE Braeburn Contractor Branding Program

• **FREE Labels or Doors**	No set-up fees or separate branding charges[1].
• **Always Available**	Conveniently stock labels or battery doors on trucks[2].
• **No Minimum Order**	Purchase the thermostats you need for every job.
• **Lower Inventory Costs**	No minimum thermostat purchase required.

1 Text only. Excludes logo requests.
2 Label No. 590 fits all Builder, Economy, Premier and Deluxe Series Quick Reference Instruction Cards. Battery Door No. 2990 fits Builder Series Value Model 1000NC, 1200NC, 2000NC and 2200NC Thermostats.

U.S. Patent 7,438,469.

Your Value Source for Indoor Comfort

Air Filtration

Braeburn Air Cleaners are the value solution to satisfy today's residential and light commercial air filtration needs. Six easy to install cabinets can replace over 35 competitive models.

Humidification

Braeburn Humidifiers offer an economical solution to whole house humidification! Choose from 12, 17 or 18 gallon bypass and fan powered humidifiers. All models include a manual or digital humidistat.

Zone Control

Braeburn Zoning Products feature the latest in zone control technology, and allow one panel to control virtually any system. Dampers are available in round, rectangular and retrofit.

Ask your Braeburn sales team for more information and catalogs.

Energy Aware®

Your assurance of accurate, comfortable temperature control in an energy efficient programmable thermostat. Founded by NEMA®, Honeywell®, White Rodgers® and Braeburn®, Energy Aware is a certification and labeling program for high-performance programmable thermostats for residential use. Visit www.getenergyaware.com for more information. Only programmable thermostats that meet the energy efficiency requirements in NEMA DC-3 Annex A qualify for the ENERGY AWARE label.

RoHS - Restriction of Hazardous Substances

Primarily focused on lead removal, all Braeburn products featured with the RoHS logo are safe from: Cadmium, Chromium VI, Lead, Mercury, PBB and PBDE (flame retardants)

Braeburn Systems LLC

Your value source for indoor comfort products. Visit www.braeburnonline.com to download manuals and specifications for the entire Braeburn product line.

NOTES

All trademarks are the property of their respective owners.

Braeburn® Products

Welcome! Braeburn is the value alternative for a wide variety of indoor air quality control products. Founded in 2001, our corporate headquarters is located in Montgomery, Illinois – just west of Chicago. We are committed to providing you with the precision products you would expect from a world class company. Our manufacturing facility is ISO 9001 and QS9000 rated for the highest assurance of quality. Braeburn provides solutions to lower energy costs and increase comfort in any home or business environment. Our innovative value-added features, reliability and contemporary designs make us the brighter choice in thermostats, air filtration products, humidification and zoning.

We support the Energy Aware Program

www.getenergyaware.com

Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.)
Fax 866.268.8897 • www.braeburnonline.com

Braeburn Systems LLC • 2215 Cornell Avenue • Montgomery, IL 60538
©2005 - 2013 Braeburn Systems LLC • All Rights Reserved • No. 100-200-013