

Braeburn®

The brighter choice®



**Thermostats
Zoning Systems**

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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 24.*

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

Accessories Available—See Page 22.

*CSA Available - March 2017

RoHS
COMPLIANT

1 YEAR
LIMITED
WARRANTY



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
- Trilingual Packaging and Instructions

FREE Contractor Branding on Battery Doors. See page 24.

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

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



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
- Filter Check Monitor
- Low Battery Indicator
- F° / C° Switch
- Trilingual Packaging and Instructions

FREE Contractor Branding on Battery Doors. See page 24.

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

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



BUILDER SERIES

Non-Programmable Thermostats

1020NC - 1H / 1C

1025NC - Heat Only

1220NC - 2H / 1C

2
Sq. In.
Display

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

1020NC/1025NC/ 1220NC Features

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



FREE Color
Contractor
Branding on
Quick Reference
Instruction Card.
See page 23.

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

*Except model 1025NC.

Accessories Available—See Page 22.



BUILDER SERIES

Programmable Thermostats

2020NC - 1H / 1C

2220NC - 2H / 1C

2
Sq. In.
Display

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)
- Trilingual Packaging and Instructions



FREE Color
Contractor
Branding on
Quick Reference
Instruction Card.
See page 23.

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 22.





ECONOMY SERIES

Non-Programmable Thermostats

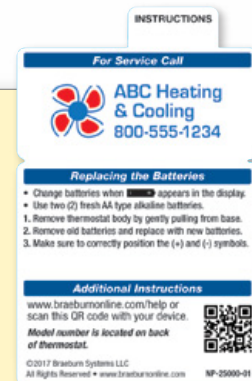
1020 - 1H / 1C
1220 - 2H / 2C

3
Sq. In.
Display

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
- Trilingual Packaging and Instructions



FREE Color
Contractor
Branding on
Quick Reference
Instruction Card.
See page 23.

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

Accessories Available—See Page 22.



ECONOMY SERIES

Universal Programmable Thermostats

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

3
Sq. In.
Display

Large 3 sq. in. display with
one button programming

2020/2220 Features

- 7 Day, 5-2 Day or Non-Programmable
- Large 3 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Filter Check Monitor
- 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 Indicator (2220)
- Trilingual Packaging and Instructions



FREE Color
Contractor
Branding on
Quick Reference
Instruction Card.
See page 23.

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 22.





PREMIER SERIES

Non-Programmable Thermostats

3020 - 2H / 1C

3220 - 3H / 2C

4
Sq. In.
Display

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
- Circulating Fan Mode*
- Set Point Adjustment Limits
- Auxiliary Heat Fossil Fuel Option and Adjustable Balance Points
- Trilingual Packaging and Instructions



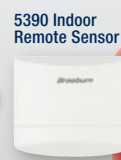
FREE Color
Contractor
Branding on
Quick Reference
Instruction Card.
See page 23.

3020 - 2H / 1C*

- Single Stage Conventional or Single Stage Heat Pumps with Auxiliary Heat
- 2 or 3 Wire Hydronic Zone Systems
- Millivolt 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
- Millivolt Systems



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 22.



PREMIER SERIES

Universal Programmable Thermostats

5020 - 2H / 1C

5220 - 3H / 2C

5
Sq. In.
Display

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 and Circulating Fan Modes*
- Temporary Override Limits
- Residential and Commercial Modes
- Auxiliary Heat Fossil Fuel Option and Adjustable Balance Points
- Trilingual Packaging and Instructions



FREE Color
Contractor
Branding on
Quick Reference
Instruction Card.
See page 23.

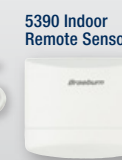
5020 - 2H / 1C*

- Single Stage Conventional or Single Stage Heat Pumps with Auxiliary Heat
- 2 or 3 Wire Hydronic Zone Systems
- Millivolt 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
- Millivolt Systems

Accessories
Available –
See Page 22.



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



PREMIER SERIES

Universal Programmable Thermostats

5310 - 1H / 1C

5320 - 4H / 2C

6.5
Sq. In.
Display



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



FREE Color Contractor Branding on Quick Reference Instruction Card. See page 23.



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



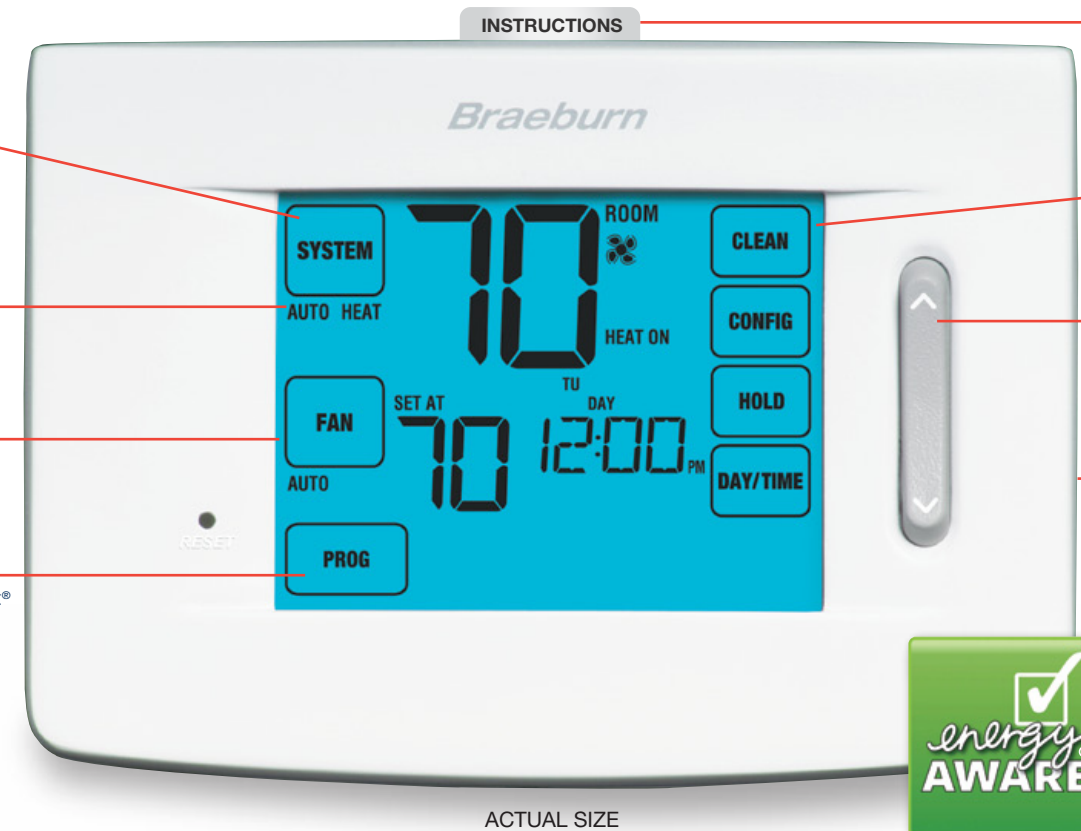
Accessories Available – See Page 22.

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 Color 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 Wired Remote Sensor



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
- Hardwire or Battery Powered
- Circulating Fan Mode
- Programmable Fan Mode
- User Selectable Service Monitors
- 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 (5320)
- Adjustable Balance Points (5320)
- Economizer Control (5320)
- Trilingual Packaging and Instructions

Touchscreen
hybrid

RHS
COMPLIANT

5 YEAR
LIMITED WARRANTY



**DELUXE
SERIES**

**Universal
Programmable
Thermostats**

6100 - 1H / 1C
6300 - 4H / 2C
6400 - 4H / 2C with Humidity Control

Our deluxe touchscreen thermostat

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



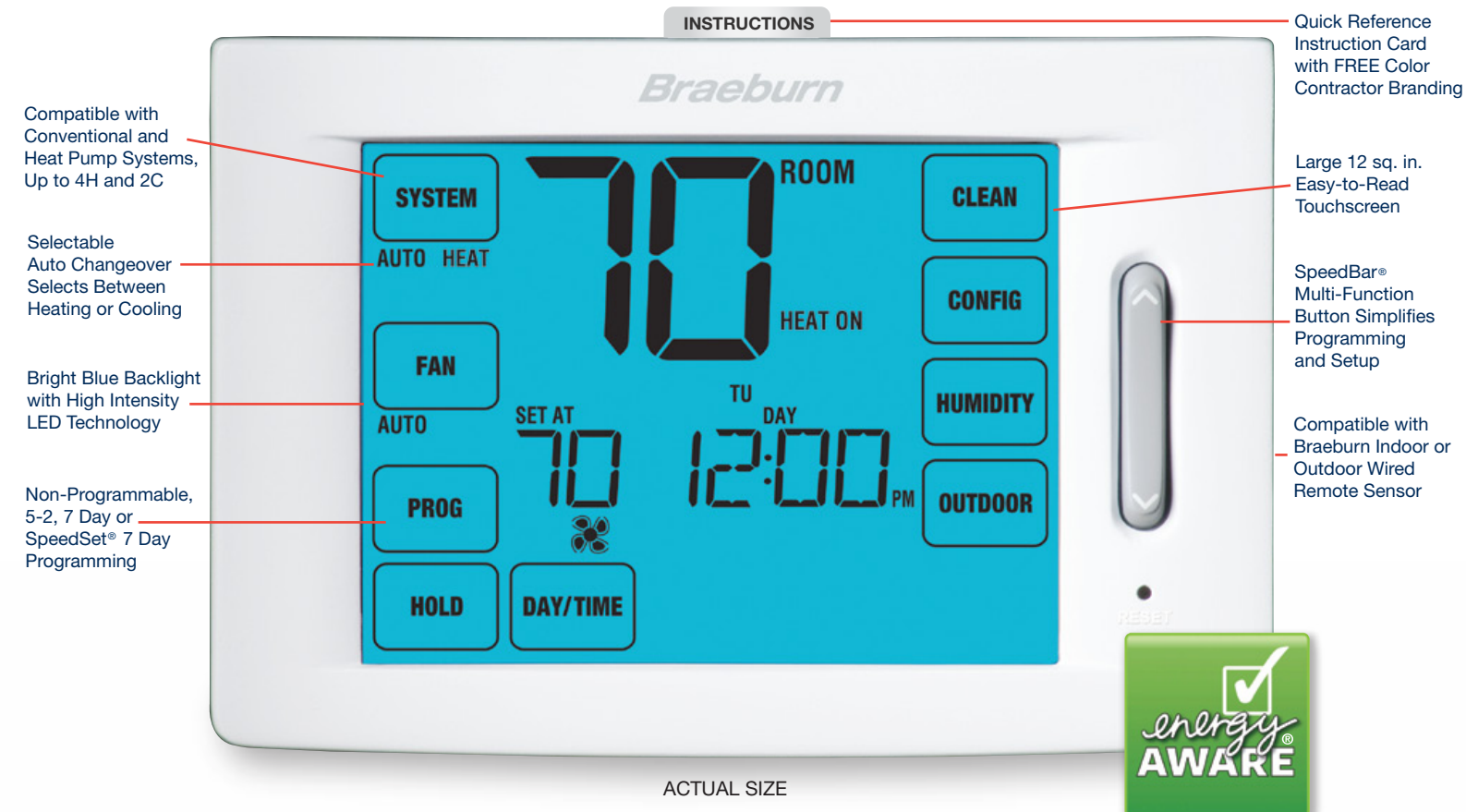
FREE Color Contractor Branding on Quick Reference Instruction Card. See page 23.



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



Accessories Available – See Page 22.



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
- Hardwire or Battery Powered
- Circulating Fan Mode
- 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
- Economizer Control (6300, 6400)
- Auxiliary Heat Fossil Fuel Option (6300, 6400)
- Adjustable Balance Points (6300, 6400)
- Humidification and Dehumidification Control (6400)
- Trilingual Packaging and Instructions

Touchscreen
hybrid

RVHS
COMPLIANT

5 YEAR
LIMITED
WARRANTY

Wi-Fi Remote Access from Smartphone, Tablet or PC



Phone not included.

Affordable Smart Wi-Fi Solution

Universal 7 Day, 5-2 Day or Non-Programmable with 5" LCD display, soft-touch buttons and our patented SpeedBar® technology. Allows you to provide a cost effective Smart Wi-Fi solution for any residential or commercial application.

7300

1H / 1C Conventional or Heat Pump

7305

3H / 2C Heat Pump or 2H / 2C Conventional



Phone not included.

Flexible Smart Wi-Fi Solution

Universal 7 Day, 5-2 Day or Non-Programmable with high resolution 6.5" Touchscreen display and patented SpeedBar® technology. Our unique wireless capabilities allow the addition of BlueLink wireless indoor, outdoor or humidity sensors for flexible system control and Smart Wi-Fi connectivity on any residential or commercial application.

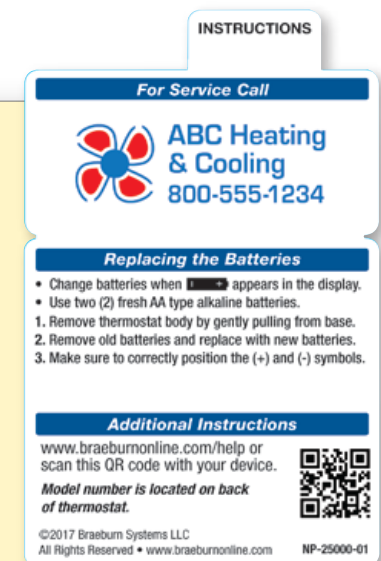
7320

3H / 2C Heat Pump or 2H / 2C Conventional



Common Features and Benefits

- 7 Day, 5-2 Day or Non-Programmable
- Residential or Commercial Modes
- Auto or Manual Changeover
- Bright Blue Backlit Display
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Programmable and Circulating Fan Modes
- Wired Remote Sensor Capability
- Auxiliary Heat Fossil Fuel Option (7305, 7320)
- Heat Pump Balance Points (7305, 7320)
- Auxiliary "A" Terminal for Economizer, Fresh Air or Output Control (7305, 7320)
- Wireless Remote Sensor Capability—Indoor, Outdoor or Humidity (7320)
- "C" Common Wire Required for Wi-Fi Operation



FREE Color Contractor Branding on Quick Reference Instruction Card. See page 23.



Connect with Comfort!

7300 / 7305 / 7320

Compatible Remote Sensors



5390



5490

Wired Remote Sensors

5390 Wired Indoor Sensor

5490 Wired Outdoor Sensor

A maximum of 1 wired remote sensor can be connected.

7320

Compatible Remote Sensors

7390



7490



7330

Wireless Remote Sensors

7390 Wireless Indoor Sensor (4 max)

7490 Wireless Outdoor Sensor (1 max)

7330 Wireless Humidity Sensor (1 max)

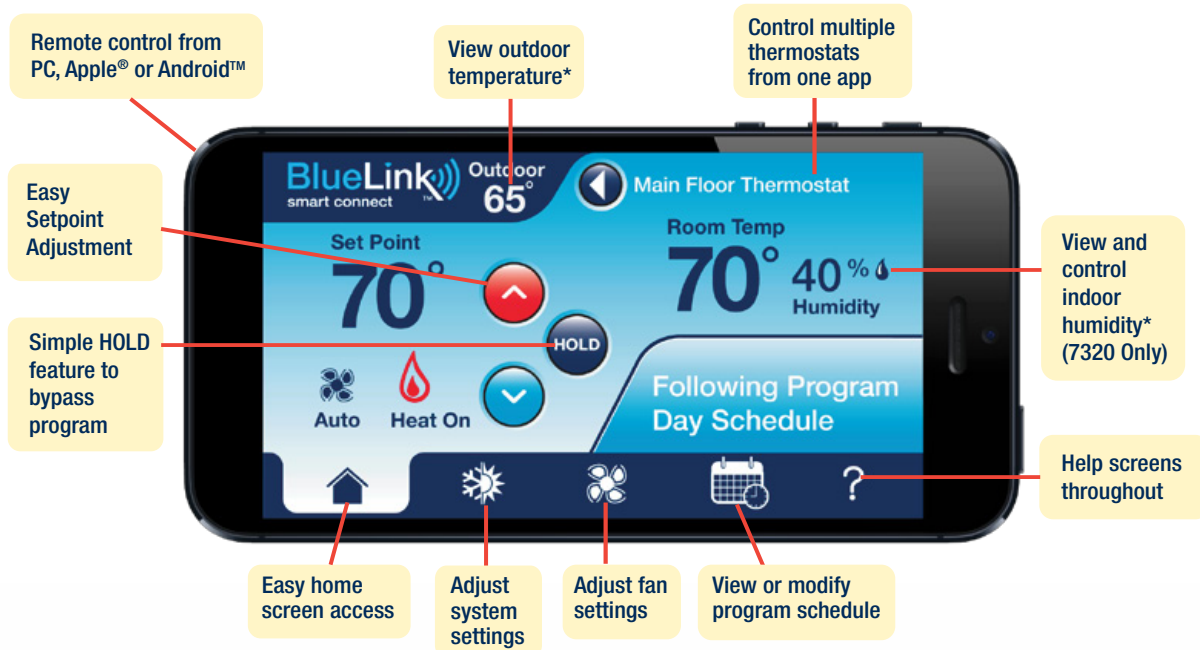
Wired Remote Sensors

5390 Wired Indoor Sensor (1 max)

5490 Wired Outdoor Sensor (1 max)

A maximum of 4 wireless sensors can be connected.

See pages 20 and 22 for more information.



Multi-Color Program Groups with QuickEdit[™]

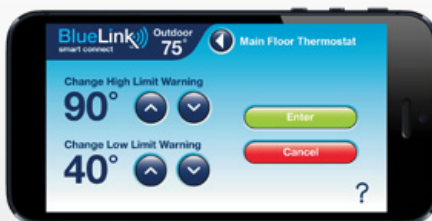
Simplifies program scheduling by allowing the user to group days.



QuickCopy[™] Function



Service & Temp Alerts



Dealer Information



BlueLink[®] smart connect SmartData[™] Reports

Generate usage reports for your thermostat.
Compatible with virtually all smartphones, tablets or PC's!

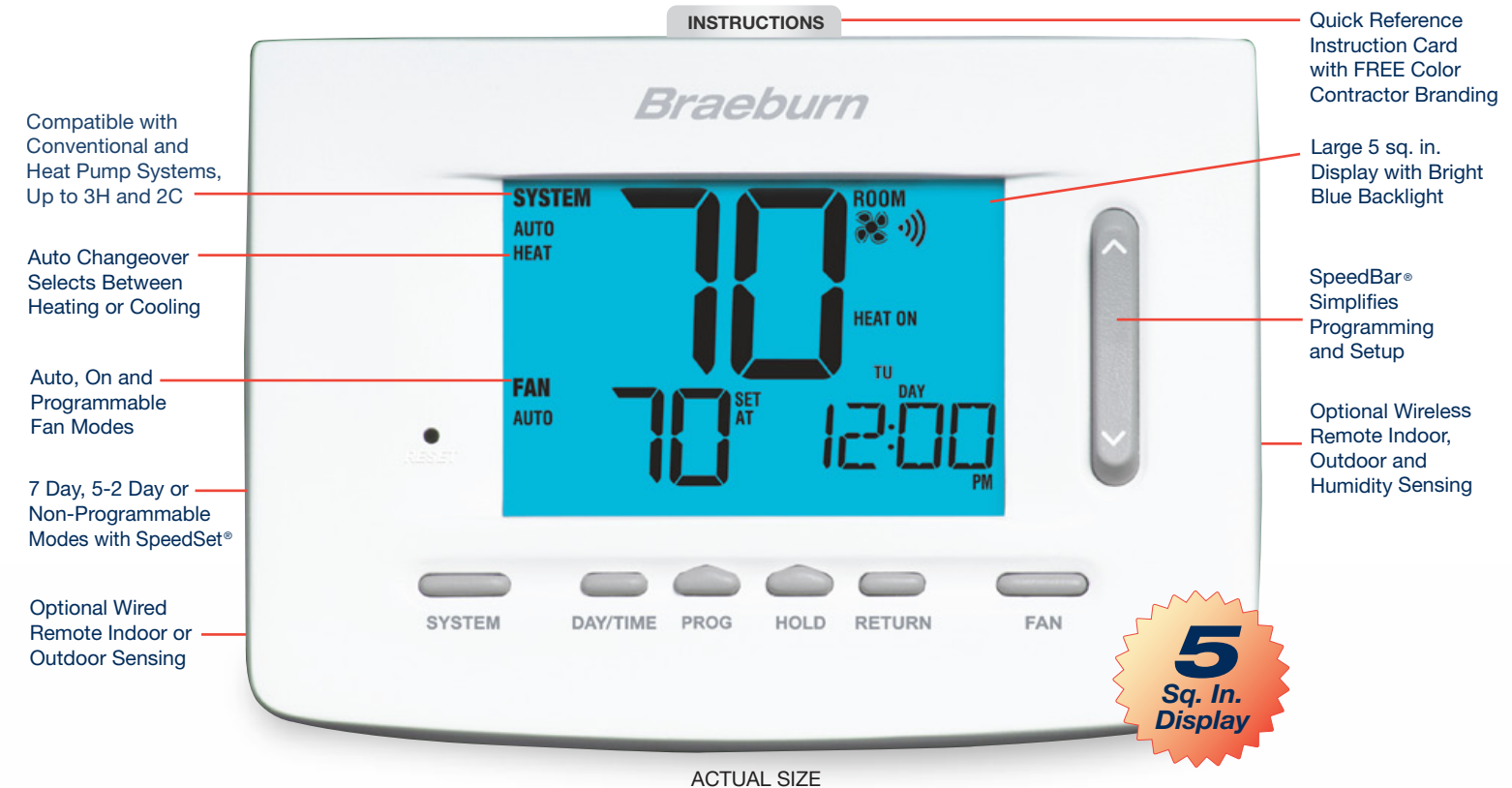
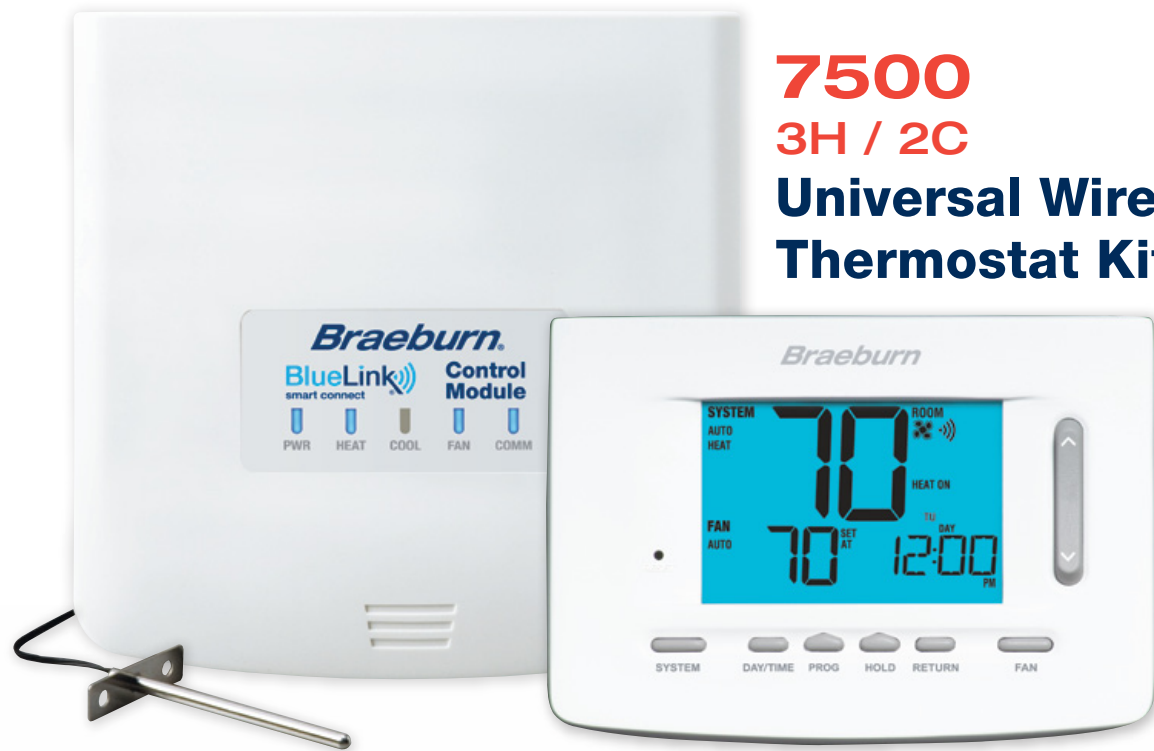
*Optional remote sensor required.



BlueLink Application Help Available:
www.bluelinksmartconnect.com
Requires iOS or Android[™] to connect



7500 3H / 2C Universal Wireless Thermostat Kit



Complete Kit to Add or Relocate a Thermostat

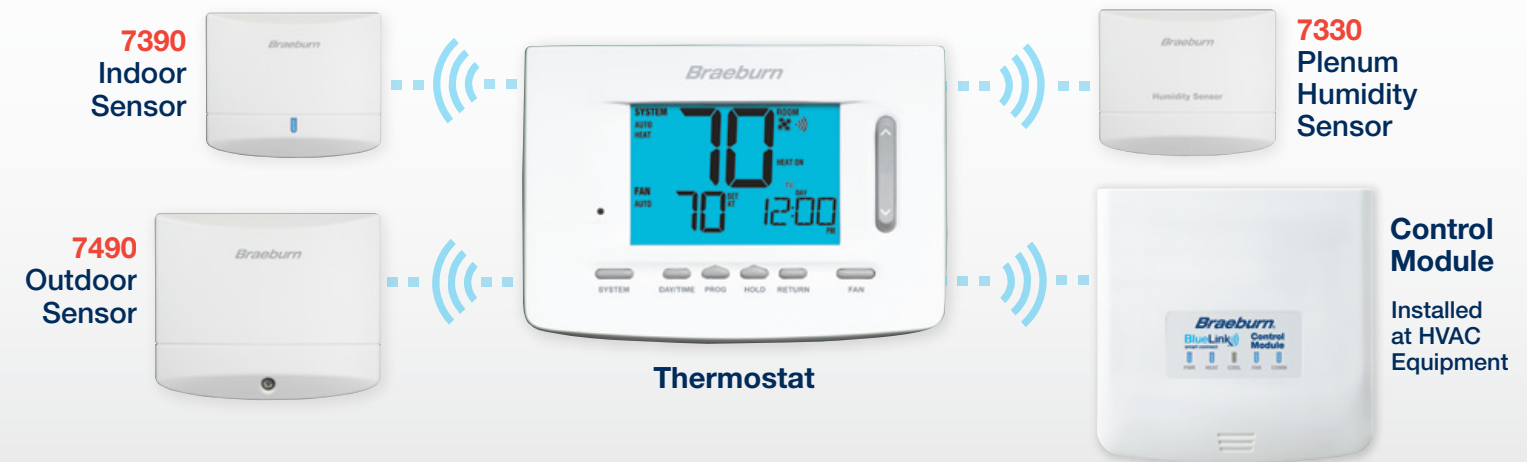
Thermostat Features

- 7 Day, 5-2 Day or Non-Programmable
- Large 5 Sq. In. Backlit Display
- Auto or Manual Changeover
- Residential or Commercial Modes
- Battery Operated for Total Installation Flexibility
- Compatible with 2 or 3 Wire Hydronic Zone Systems
- Adjustable Balance Points
- Auxiliary Heat Fossil Fuel Option
- Programmable Fan Control
- R and C Terminals for Optional 24 Volt Operation
- Adjustable Temperature Limits
- Multi-Level Keypad Lockout
- Quick Reference Instruction Card

Wireless Features

- Superior Wireless Range
- Battery Life Exceeds Virtually All Competitive Models
- Includes Return Air Sensor for Default Temperature Control Even if Batteries are Drained
- Connect up to 4 Optional Wireless Indoor Sensors for Remote Temperature Sensing*
- Optional Wireless Outdoor Sensing for Outdoor Temperature Display or Balance Point Control*
- Optional Wireless Humidity Plenum Sensor for Whole-House Humidification Control*
- Affordable Solution for Most Thermostat Applications

Total Installation Flexibility

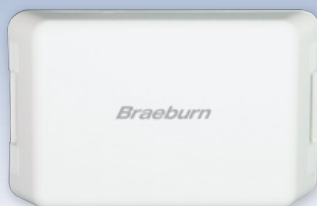


Accessories Available – See Pages 20, 22.

* Up to 4 wireless Sensors can be connected - see Installer Guide.



Wireless Remote Sensors and Accessories



7390 Wireless Remote Indoor Sensor

- Sense temperature at remote location or combine with thermostat
- Up to 4 wireless remote indoor sensors can be connected*
- Front LED light shows sensor status
- Requires 2 “AA” Alkaline batteries (included)

7490 Wireless Remote Outdoor Sensor

- Display outdoor temperature
- Use for heat pump balance point control
- 1 wireless remote outdoor sensor can be connected*
- Requires 2 “AA” Lithium batteries (included)

7330 Wireless Remote Humidity Sensor

- Controls humidifier or dehumidifier
- Mounts directly to return air plenum
- 1 wireless remote humidity sensor can be connected*
- 24 VAC Powered

7340 Share-a-Wire™ Module

- For use with BlueLink Smart Connect™ Wi-Fi Thermostats
- Provides a common “c wire” connection on a 4 wire system



*A maximum of 4 wireless sensors can be connected.

**FREE with
Thermostat
Purchase!**



Additional Accessories



Lowers Costs—Can be
Reused from Job to Job



Accessories

Contractors! Buy a 3020, 3220, 5020, 5220, 5310, 5320, 6100, 6300 or 6400 thermostat and get a FREE thermostat guard or wired remote sensor.*

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

2920 Vertical Wall Plate

- Adapts Vertical J Box to Horizontal Mount
- Sturdy Two Piece Construction
- 6.5"W x 5 1/8"H

2950 Universal Wall Plate

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

*Visit www.braeburnonline.com for details.

Send us your color logo and we'll promote your brand for FREE

With Braeburn, there are no minimum purchase requirements for the contractor to advertise 24 hours a day in customers' homes. Your logo and contact information will be readily available when it is time for maintenance or equipment repair.

Non-branded Quick Reference cards are already included with our thermostats. For custom branded cards, simply send us your logo and we will ship you custom printed cards absolutely FREE.



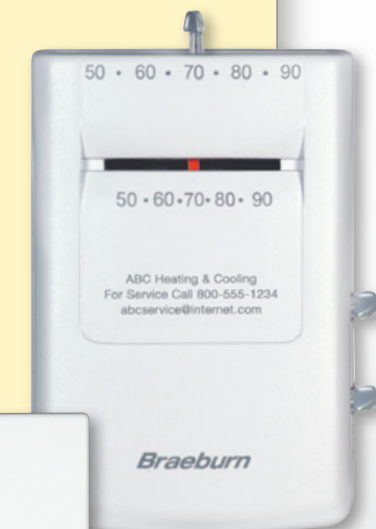
Easy Ordering

FREE Quick Reference Cards with Color Logo

- Visit www.braeburnonline.com/contractor-branding
- Upload your high resolution logo in TIF, JPG or EPS format
- Contractors will receive 48 full color Contractor Branded Quick Reference Cards for FREE, with no set-up fees or branding charges.
- Please allow 2-3 weeks for delivery

FREE Battery Doors or Labels

- Visit www.braeburnonline.com/contractor-branding
- Provide 3 lines of text (no logos) - 30 characters per line
- Contractors will receive 48 doors or labels for FREE, with no set-up fees or branding charges.
- Please allow 2-3 weeks for delivery





Residential 2 Zone Control Panel

140202 - 2H / 1C

Residential 3 Zone Control Panel

140303 - 3H / 2C

Economical Zone Control Solutions

140202/140303 Features

- Works with Conventional 4 or 5 Wire Thermostats
- Works with BlueLink™ Wireless Technology*
- Installs on Conventional, Heat Pump, Electric and Dual Fuel Systems
- Compact Housing for Stud or Plenum Mounting
- Multiple Wiring Exit and Wiring Knockouts
- Heavy Duty Damper Relays for Long Life
- Power and Damper Status LED's for Quick Diagnosis
- Selectable Priority for One Zone or All Zones
- Requires Dedicated 40 VA, 24 VAC Transformer
- Can be used with Virtually All Low Voltage Dampers from Other Manufacturers
- 30 VA Damper Capacity



* Requires Braeburn Model 7500 Universal Wireless Thermostat Kit.

140202

Flexible System Options

Controls conventional, heat pump, electric, and dual fuel systems

Thermostat Terminals

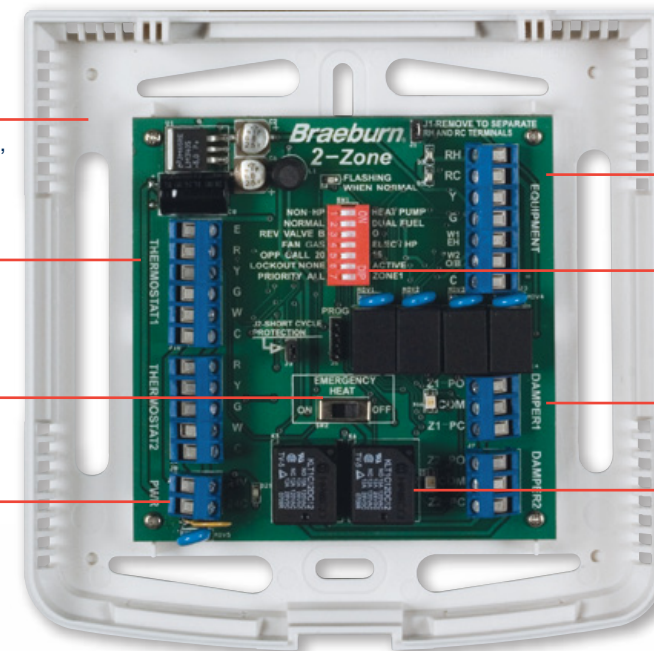
Use with conventional 4 or 5 wire thermostats

Emergency Heat Switch

With remote terminals

Power Terminals

Accepts standard 24 VAC power from transformer. Built in self-resetting fuse helps protect panel



Equipment Terminals
Simple equipment connections

Easy-Set Dip Switches
Select system preferences

Damper Terminals
With LED indicators

Heavy Duty Relays
10 Amp capacity for extra durability

Compact 6" x 6" Housing

140303

Flexible System Options

Controls conventional, heat pump, electric, and dual fuel systems

Adjustable Purge Control

Maximizes economy and occupant comfort.

Thermostat Terminals

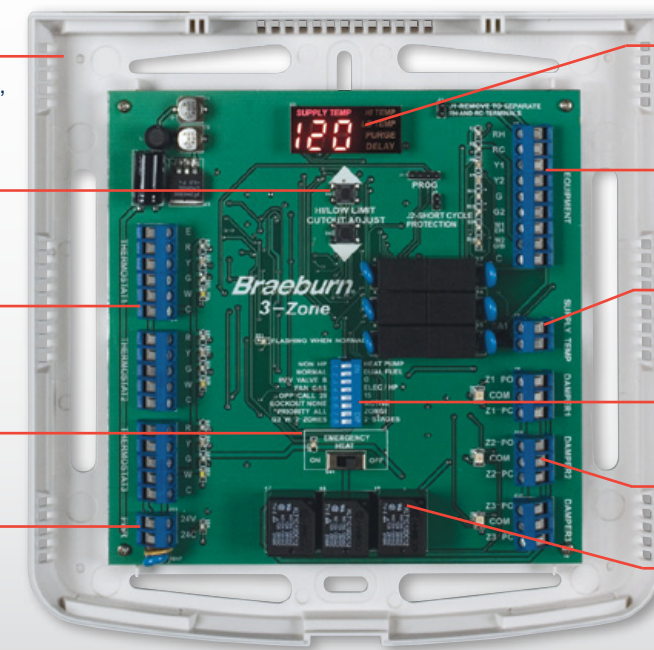
Use with conventional 4 or 5 wire thermostats

Emergency Heat Switch

With remote terminals

Power Terminals

Accepts standard 24 VAC power from transformer. Built in self-resetting fuse helps protect panel



LED Display
Easy to read LED display shows system temperature and purge status

Equipment Terminals
Simple equipment connections with LED status indicators

Supply Air Sensor
Monitors plenum temperature and provides adaptive staging

Easy-Set Dip Switches
Select system preferences

Damper Terminals
With LED indicators

Heavy Duty Relays
10 Amp capacity for extra durability

Compact 8" x 8" Housing



Expandable 4 Zone Control Panel

140404 - 4H / 2C

- Expandable Up to 32 Zones
- Compatible with Electric, Gas, Oil and Heat Pump Equipment—including Dual Fuel
- Can be used with Virtually All Low-Voltage Thermostats and Dampers from other Manufacturers
- Compatible with BlueLink™ Wireless Technology*
- Dual Fuel Operation with Braeburn Outdoor Sensor
- Push-In Terminals for Easy Wiring—No Screwdriver Needed
- Flexible Staging Controlled by Panel or Thermostat

2 Zone Expander Control Panel

140424 - 4H / 2C

- Add Zones in Affordable 2 Zone Increments
- Compact 8" x 5" Foot Print Stacks Neatly with Main Panel
- Add Up to 28 Additional Zones (32 total)
- Can be used with Virtually All Low-Voltage Thermostats and Dampers from other Manufacturers
- Push-In Terminals for Easy Wiring—No Screw Driver Needed
- Easy Setup and Configuration
- LED's Show All Calls and Damper Status at a Glance
- Installs Up to 500 ft. from Main Panel

Use with 140404 Zone Panel



* Requires Braeburn Model 7500 Universal Wireless Thermostat Kit.

140404

Flexible System Options

Controls conventional, heat pump, electric, and dual fuel systems

Built In Test Mode

Test all dampers and equipment from main panel

Flexible Thermostat Options

Works with virtually any low voltage heat pump or conventional thermostat

Outdoor Sensor Terminals

Connect to Braeburn outdoor sensor for heat pump balance point control

Professional Appearance

Wire along side and underneath with multiple wire tie points

Compact Housing

8" x 10" housing with large 5.5 sq. in. backlit display

Easy 2 Button Setup

Set up and test from main display

Emergency Heat Button

Panel mounted button and selectable thermostat emergency heat control

Equipment Terminals

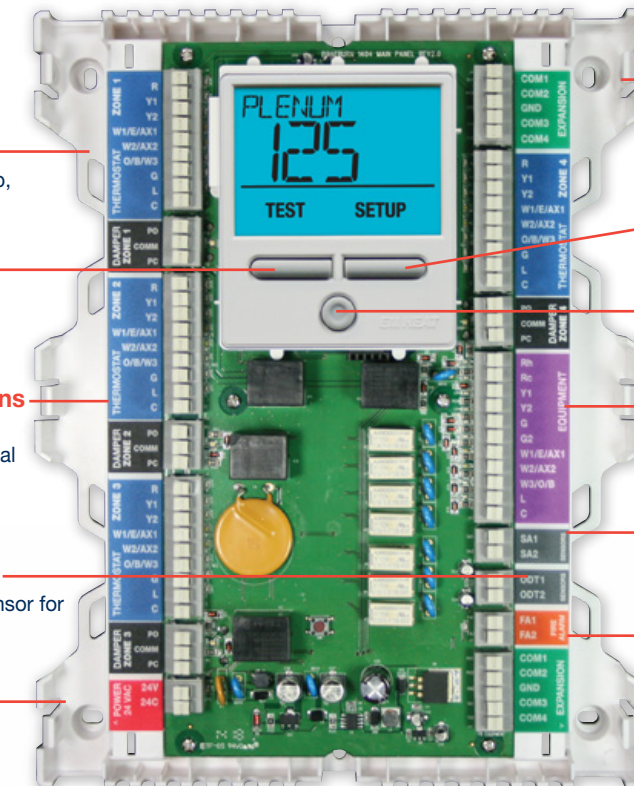
Simple push-in wiring terminals with LED status indicators

Supply Air Sensor Included

Stainless steel sensor helps control staging and high / low temperature cutout

Fire Alarm Terminals

Selectable for normally open or closed



140424

Flexible System Options

Install up to 500 feet from main panel

Flexible Thermostat Options

Works with virtually any low voltage heat pump or conventional thermostat

Professional Appearance

Wire along side and underneath with multiple wire tie points

Power Terminals

Accepts standard 24 VAC power from transformer. Built in self-resetting fuse helps protect panel

Compact Housing

8" x 5" housing connects neatly to main housing or remotely

Thermostat Terminals

Push-in wiring terminals with LED status indicators

Damper Terminals

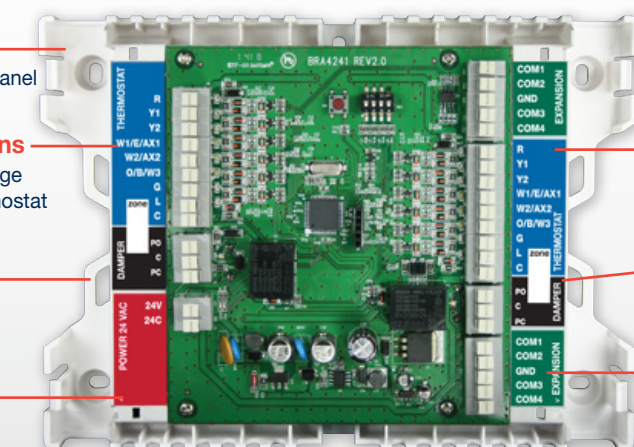
Push-in wiring terminals with LED status indicators

Easy to Wire

Use standard 5-wire thermostat wire from panel to panel

Easy Setup

Set zone number on main panel



Round Zone Dampers

Power Open / Power Close

24 VAC 4 VA 3-wire universal operation



Power Open / Power Close

Power Open Power Close	Diameter (Inches)	Length (Inches)	Power Open Power Close	Diameter (Inches)	Length (Inches)
109005	5	11.25	109012	12	11.75
109006	6	11.25	109014	14	13.75
109007	7	11.25	109016	16	15.75
109008	8	11.25	109018	18	17.75
109009	9	11.25	109020	20	19.75
109010	10	11.25			



Power Open /
Power Close

Rectangular Zone Dampers

Power Open / Power Close

• For use as zone or bypass damper • 24 VAC 4 VA universal operation

Height in Inches					
	8	10	12	14	16
8	100808	—	—	—	—
10	101008	101010	101012	101014	—
12	101208	101210	101212	101214	—
14	101408	101410	101412	101414	—
16	101608	101610	101612	101614	101616
18	101808	101810	101812	101814	101816
20	102008	102010	102012	102014	102016
22	102208	102210	102212	102214	102216
24	102408	102410	102412	102414	102416
26	102608	102610	102612	102614	102616
28	—	—	—	102814	102816
30	—	—	—	103014	103016

All motors are mounted on the Height Dimension

Power Close / Spring Return

• 2 wire installation • 24 VAC 8 VA universal operation

Height in Inches					
	8	10	12	14	16
8	110808	—	—	—	—
10	111008	111010	111012	111014	—
12	111208	111210	111212	111214	—
14	111408	111410	111412	111414	—
16	111608	111610	111612	111614	111616
18	111808	111810	111812	111814	111816
20	112008	112010	112012	112014	112016
22	112208	112210	112212	112214	112216
24	112408	112410	112412	112414	112416
26	112608	112610	112612	112614	112616
28	—	—	—	112814	112816
30	—	—	—	113014	113016

All motors are mounted on the Height Dimension

Rectangular Static Bypass

Height in Inches			
Width in Inches	8	10	12
12	131208	131210	131212
20	132008	132010	132012

Spring Return

- 24 VAC 8 VA 2-wire universal operation
- Available in Power Close / Spring Return and Power Open / Spring Return

Static Bypass

- Vertical or horizontal mounting
- Reversible control for flexible mounting

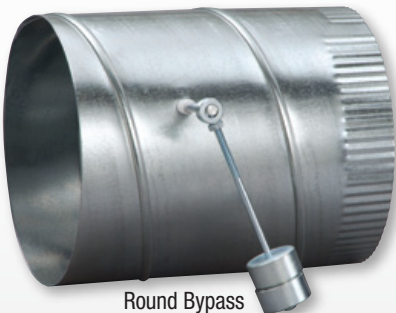
Power Close Spring Return	Power Open Spring Return	Static Bypass	Diameter (Inches)	Length (Inches)
119004	129004	-	4	9.75
119005	129005	-	5	9.75
119006	129006	-	6	9.75
119007	129007	119107	7	9.75
119008	129008	119108	8	9.75
119009	129009	119109	9	9.75
119010	129010	119110	10	9.75
119012	129012	119112	12	11.75
119014	129014	119114	14	13.75
119016	129016	119116	16	15.75
119018	129018	119118	18	17.75
119020	129020	119120	20	19.75



Power Close /
Spring Return



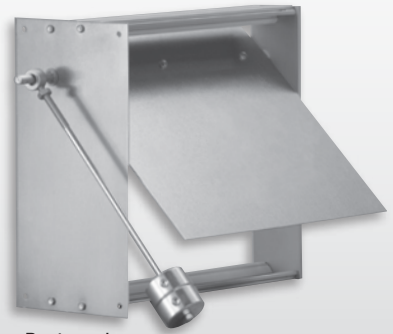
Spring Return



Round Bypass



Retrofit



Rectangular
Bypass

Retrofit (PO/PC)

24 VAC 4 VA 3-wire universal operation

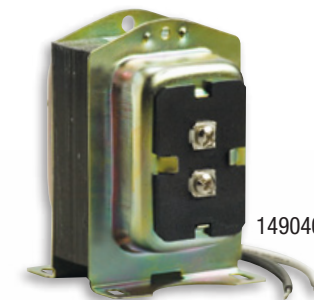
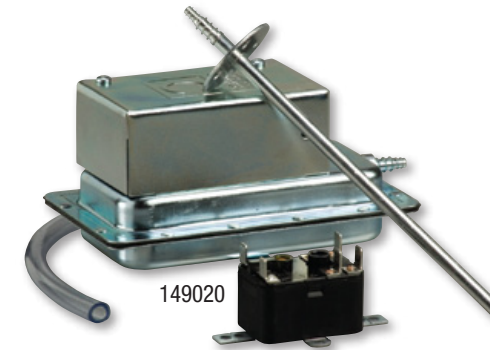
Round Retrofit (PO / PC)	Diameter (Inches)	Round Retrofit (PO / PC)	Diameter (Inches)
128004	4	128007	7
128005	5	128008	8
128006	6	128010	10



Braeburn Zone Panel Feature Comparison

Features	140202	140303	140404
Heat / Cool Stages	2 Heat / 1 Cool	3 Heat / 2 Cool	4 Heat / 2 Cool
System Compatibility	Conventional or Heat Pump	Conventional or Heat Pump	Conventional or Heat Pump
Thermostat Compatibility	Conventional	Conventional	Conventional or Heat Pump
Maximum Number of Zones	2	3	Expandable up to 32
Wireless Zone Compatible	Yes	Yes	Yes
Panel Staging	Time	Time / Temp	Time / Temp / Thermostats
Terminals	Screw-In	Screw-In	Dual Push-In
Emergency Heat	Panel or Remote	Panel or Remote	Panel or Thermostat
Zone Call Indication	Panel Damper LED	Panel Damper / Equip LED's	Panel Display and LED's
Adjustable Opposite Call Timer	Yes	Yes	Yes
Selectable Zone Priority	Yes	Yes	Yes
Adjustable Purge Control	-	Yes	Yes
Supply Air Sensor Included	-	Yes	Yes
Discharge Temperature Display	-	Yes	Yes
Discharge Temperature Staging	-	Yes	Yes
Digital Display with Backlight	-	Yes	Yes
Menu Driven Setup	-	-	Yes
Built In Test Mode	-	-	Yes
Outdoor Sensor Compatible	-	-	Yes
Color-Coded Terminal Labels	-	-	Yes
Fire Alarm Terminals	-	-	Yes
Heat Pump Balance Point Control	-	-	Yes
Competitive Replacement*	140202	140303	140404
Honeywell®	HZ221	HZ311, HZ322	HZ311, HZ322, HZ432
EWC®	ST	NCM	BMPlus, NCM, UZC

Verify specific application requirements. All trademarks are the property of their respective owners. Product specifications may change without notice.



Zoning Systems Accessories

Braeburn Zoning Accessories are designed to give years of performance in demanding zoning applications. Complete the HVAC installation with the full line of Braeburn thermostats and guards.

149020 Static Pressure Control

The Braeburn static pressure control is designed to mount on vertical surfaces. Powered from the zone panel transformer, this unit automatically controls the plenum bypass damper by monitoring system pressure as zones close and open.

Features

- Used to control plenum bypass air volume
- Reduces bypass problems in mismatched zones
- Includes relay and measuring pitot tube

149040 Zoning System Transformer

Braeburn zoning transformers have 120 VAC input and 24 VAC output. UL listed and convenient mounting features for easy installation.

Features

- 40 VA, 120 VAC
- Includes mounting plate

Emergency Heat Switch Kit

These kits are the finishing touch to any zoning system installation. More convenient than the remote switch on the zone panel, both kits include a laser engraved wall plate and handy box.

Features

- 149090 features a commercial quality lighted rocker switch
- 149091 features a standard switch

Replacement Parts

- 149100 Synchron Motor for Round PO/SR Dampers
- 149125 Motor for All PO/PC Dampers (except retrofit)
- 149145 Motor for All PO/SR Dampers
- 149156 Supply Air Sensor
- 149160 Barometric Bypass Damper Counterweight
- 149162 Barometric Bypass Damper Arm Assembly



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.



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