Braeburn®

Thermostats
Zoning Systems

Braeburn®

Thermostats

Braeburn

Zoning Systems

Zone Control Panels

Economy Series

Premier Series

Zone Control Dampers

Braeburn®

BUILDER SERIES

2 Sq. In. Display

Non-Programmable Thermostats

1020NC - 1 Heat / 1 Cool
1025NC - Heat Only
1220NC - 2 Heat / 1 Cool

2 Sq. In. Display

Programmable Thermostats

2020NC - 1 Heat / 1 Cool
2220NC - 2 Heat / 1 Cool

Compatibility

- Single Stage Conventional or Heat Pump Systems
- Multistage Heat Pump Systems (1220NC, 2220NC)
- Multistage Conventional Systems (1220NC, 2220NC)
- 2-Wire Hydronic Zone Systems (1025NC: 2 or 3-Wire)
- Millivolt Systems

Features

- Large Display with Bright Blue Backlight
- Adjustable Temperature Limits for Multi-Family Housing
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Low Battery Indicator
- Front Access Reset Button
- Compressor Short Cycle Protection
- Fahrenheit or Celsius Display Mode
- Adjustable Temperature Differential
- ESD Guard™ Electronic Circuitry
- Trilingual Packaging and Instructions

Additional Features (2020NC/2220NC)

- 7 Day, 5-2 Day or Non-Programmable
- Temporary Program Override
- Programmable Extended Hold Mode
- Filter Check Monitor
- Adaptive Recovery Mode (ARM™)

*Complete Thermostat Feature Comparison on Page 20.

FREE Color Contractor Branding on Quick Reference Instruction Card. See page 22.

Mechanical Thermostats

500
1 Heat / 1 Cool

505
Heat Only

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

1 YEAR LIMITED WARRANTY

Braeburn®

ECONOMY SERIES

NEW! Ultra-Slim Design

4.4 Sq. In. Display

Non-Programmable Thermostats

1030 - 1 Heat / 1 Cool
1230 - 2 Heat / 1 Cool

4.4 Sq. In. Display

Universal Programmable Thermostats

2030 - 1 Heat / 1 Cool
2230 - 2 Heat / 1 Cool

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Compatibility

- Single Stage Conventional or Heat Pump Systems
- Multistage Heat Pump Systems (1230, 2230)
- Multistage Conventional Systems (1230, 2230)
- 2-Wire Hydronic Zone Systems
- Millivolt Systems

Features

- Large Display with Bright Blue Backlight
- SmartLimit® Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Low Battery Indicator
- Adjustable Short Cycle Protection
- Fahrenheit or Celsius Display Mode
- Adjustable Temperature Differential
- ESD Guard™ Electronic Circuitry
- Installer Lock Mode
- Filter Check Monitor
- Trilingual Packaging and Instructions

Additional Features (2030/2230)

- 7 Day, 5-2 Day or Non-Programmable
- Temporary Program Override
- Programmable Extended Hold Mode
- Adaptive Recovery Mode (ARM™)

*Complete Thermostat Feature Comparison on Page 20.

FREE Custom Face Plates! See page 22.

4.4 Sq. In. Display

PREMIER SERIES

NEW! Ultra-Slim Design

Compatibility

- Single Stage Conventional or Heat Pump Systems
- Multistage Heat Pump Systems
- Multistage Conventional Systems (4235)
- 2 or 3-Wire Hydronic Zone Systems
- Millivolt Systems

Features

- 7 Day, 5-2 Day or Non-Programmable
- Large Display with Adjustable Backlight
- SmartLimit® Temperature Limits
- Auto or Manual Changeover
- Residential or Commercial Modes
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Circulating Fan Mode
- Programmable Extended Hold Mode
- Programmable Fan Mode
- Adaptive Recovery Mode (ARM™)
- Installer Lock Mode
- Pre-Occupancy Purge Option
- User Selectable Service Monitors
- Indoor or Outdoor Remote Sensing
- Multi-Level Keypad Lockout
- Heat Pump Balance Points
- Auxiliary Heat Fossil Fuel Option
- Trilingual Packaging and Instructions
- Multi-Function Dry Contact Input for Occupancy Control, Condensate Monitoring or Door Switch Activation
- Dehumidification Control with Overcooling (4235)
- Humidification Control (4235)

*Complete Thermostat Feature Comparison on Page 20.

Universal Programmable Thermostats

4030 - 2 Heat / 1 Cool
4235 - 3 Heat / 2 Cool
with Humidity Control

FREE Custom Face Plates! See page 22.

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

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Braeburn®

BlueLink SOLO™ Wi-Fi

Smart Wi-Fi Thermostats

Features

- 7 Day, 5-2 Day or Non-Programmable[1]
- Auto or Manual Changeover
- Keypad Lockout
- Trilingual Packaging and Instructions
- Auxiliary Heat Fossil Fuel Option
- Frost Protection
- Temperature Limits[1]
- Temperature Reading Offset

*Complete Thermostat Feature Comparison on Page 20.

6 Sq. In. Display

ST920WF
3 Heat / 2 Cool Heat Pump
2 Heat / 2 Cool Conventional
with Touch Keys

BlueLink SOLO™ App

- Compatible with Virtually All Smartphones and Tablets
- Monitor and Control Multiple Thermostats Remotely
- Configure Thermostat from App
- Lock and Unlock Thermostats Remotely

Download on the **App Store**

GET IT ON **Google Play**

Wire Extender for SOLO Wi-Fi Thermostats

- Allows the use of a common (C) wire connection without running new wires
- Easy wire push button terminals
- 3 ft (1m) cable for connection to control board
- Works with 2-wire installations

SA918

4.8 Sq. In. Display

ST921WF
2 Heat / 1 Cool Heat Pump
2 Heat / 1 Cool Conventional
1 Heat / 2 Cool Conventional
with Push Buttons

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Phone not included.   [1]When used with application

Thermostats 6

Wi Fi Remote Access from Smartphone, Tablet or PC

3 Sq. In. Display

Smart Wi-Fi Universal Thermostat
7205
3 Heat / 2 Cool Heat Pump
2 Heat / 2 Cool Conventional

Thermostat Features

- 7 Day, 5-2 Day or Non-Programmable
- Bright Blue Backlight
- Auto or Manual Changeover
- User and Installer Lock Modes
- SmartLimit® Temperature Limits
- Circulating Fan Mode
- Auxiliary Heat Fossil Fuel Option
- * Wi-Fi works without common (C) wire on most systems. Requires common (C) wire on all Heat Pump, Heat Only or Cool Only Systems

No Common (C) Wire Required for Wi-Fi on most systems*
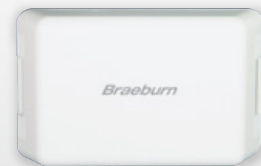
Application Features

- Compatible with Virtually All Smartphones, Tablets or PC's
- Multi-Color Program Groups Simplify Scheduling
- Flexible Vacation and Holiday Scheduling
- Text and E-Mail Service and Temperature Alerts
- BlueLink QuickCopy® Allows User to Duplicate Program and Configuration to Other Thermostats
- QuickEdit® Makes Schedule Changes Easy
- BlueLink SmartData® Energy Report Capability
- Monitor and Control Multiple Thermostats
- Easy Access Dealer Information
- Optional Geofencing for Increased Energy Savings

Complete Thermostat Feature Comparison on Page 20.

Share-a-Wire® Module
- For use with BlueLink® Wi-Fi Thermostats*
- Provides a common "C wire" connection on a 4-wire system
- Install near system control board

*Not for use with BlueLink® SOLO

7340
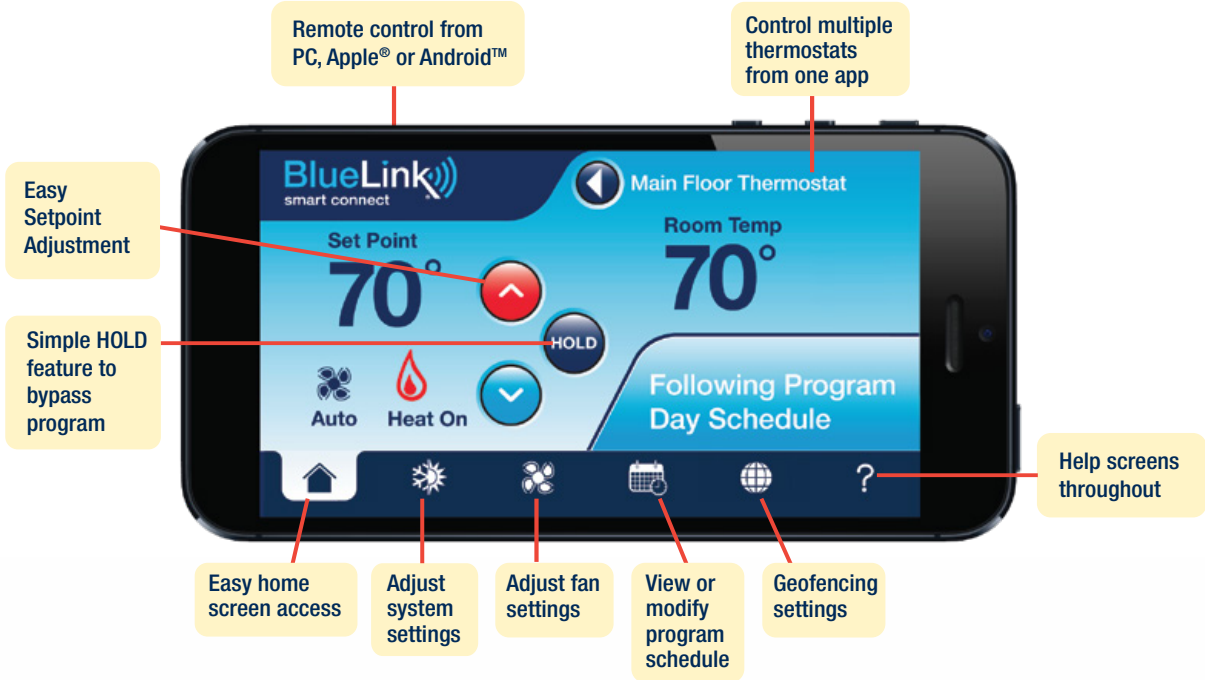
FREE Color Contractor Branding on Quick Reference Instruction Card. See page 22.

INSTRUCTIONS
For Service Call
ABC Heating & Cooling
800-555-1234

RoHS COMPLIANT

energy ENERGY STAR

5 YEAR LIMITED WARRANTY

Phone not included.

Remote control from PC, Apple® or Android™

Control multiple thermostats from one app

Easy Setpoint Adjustment

Simple HOLD feature to bypass program

BlueLink))) smart connect — Main Floor Thermostat

Set Point
70°

Room Temp
70°

HOLD

Auto   Heat On

Following Program Day Schedule

Help screens throughout

Easy home screen access

Adjust system settings

Adjust fan settings

View or modify program schedule

Geofencing settings

Multi-Color Program Groups with QuickEdit®
Simplifies program scheduling by allowing the user to group days.

Geofencing   BlueLink QuickCopy® Feature   Service & Temp Alerts

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

works with the Google Assistant

Works with IFTTT

Compatible with Amazon Alexa
Amazon Alexa is a trademark of Amazon.com, Inc.

BlueLink))) smart connect

BlueLink Application Help Available:
www.bluelinksmartconnect.com
Requires iOS or Android™ to connect
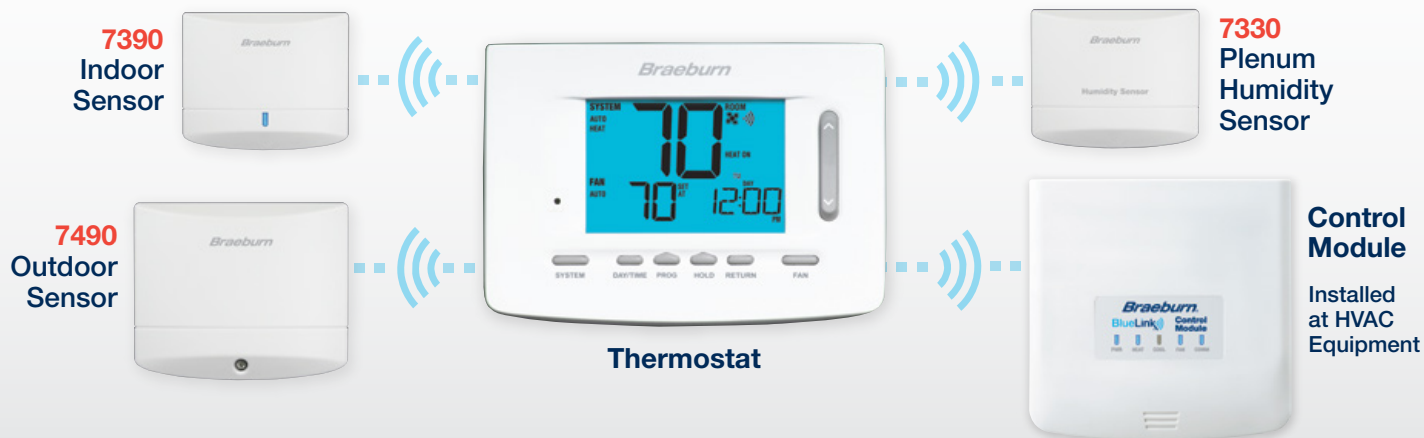
Download on the App Store

GET IT ON Google Play

Thermostat Features

- 7 Day, 5-2 Day or Non-Programmable
- Large Display with Bright Blue Backlight
- Auto or Manual Changeover
- Residential or Commercial Modes
- Battery Operated for Total Installation Flexibility
- Compatible with 2 or 3-Wire Hydronic Systems
- Heat Pump Balance Points
- Auxiliary Heat Fossil Fuel Option
- Programmable Fan Mode
- R and C Terminals for Optional 24 Volt Operation
- Adjustable Temperature Limits
- Multi-Level Keypad Lockout

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

5 Sq. In. Display

Universal Wireless Thermostat Kit

7500 - 3 Heat / 2 Cool

*Complete Thermostat Feature Comparison on Page 20.

Total Installation Flexibility

7390 Indoor Sensor

7490 Outdoor Sensor

Thermostat

7330 Plenum Humidity Sensor

Control Module

Installed at HVAC Equipment

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

INSTRUCTIONS
For Service Call
ABC Heating & Cooling
800-555-1234

FREE Color Contractor Branding on Quick Reference Instruction Card. See page 22.

Accessories Available—See Page 10

Thermostat Accessories

5390

5490

5390 Wired Remote Indoor Sensor
- Contemporary style for any decor
- For use with compatible Braeburn thermostats
- Sense range of 40° to 99°F

5490 Wired Remote Outdoor Sensor
- Mounts outdoors up to 200 feet away
- Enables outdoor control functions on compatible Braeburn thermostats
- Sense range of -40° to 120°F

165

5970

5970 Thermostat Guard
- Universal–fits virtually all thermostats
- Replaces over 100 competitive models
- Tamper resistant design
- 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
- Sturdy enclosure protects switch from drywall dust, paint and mudding
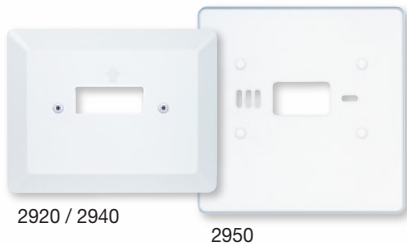
2920 / 2940

2950

2920/2940* Vertical Wall Plate
- Adapts vertical J box to horizontal mount
- Sturdy two piece construction
- 6.5"W x 5.13"H (2920)
- 6.5"W x 5.5"H (2940)

2950 Universal Wall Plate
- Covers mounting marks from old thermostats
- Use with all Braeburn digital thermostats
- 6.5"W x 6.5"H

*2940 fits new Economy / Premier Series models.

BlueLink))) Wireless Accessories

7390 Wireless Remote Indoor Sensor
- Sense temperature at remote location or average 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

Wireless Accessories for use with model 7500 - a maximum of 4 wireless remote sensors can be connected.

Braeburn®

ECONOMY SERIES

2-Zone Control Panel
140202
2 Heat / 1 Cool

3-Zone Control Panel
140303
3 Heat / 2 Cool

Compatibility

- Single Stage Conventional or Heat Pump Systems
- Multistage Conventional or Heat Pump Systems
- Single Stage Conventional Thermostats - For Lower Cost
- Power Open, Power Close or Spring Return Dampers

Features

- Sleek, Low Profile Design
- Quick Connect Terminals Speed Installation
- On-Board Emergency Heat Switch
- Ability to Connect External Emergency Heat Switch
- Selectable Zone Priority
- Fan Purge Into Last Calling Zone
- Easy-Set Dip Switches
- Heavy Duty 10-Amp Relays
- Short Cycle Protection Jumper
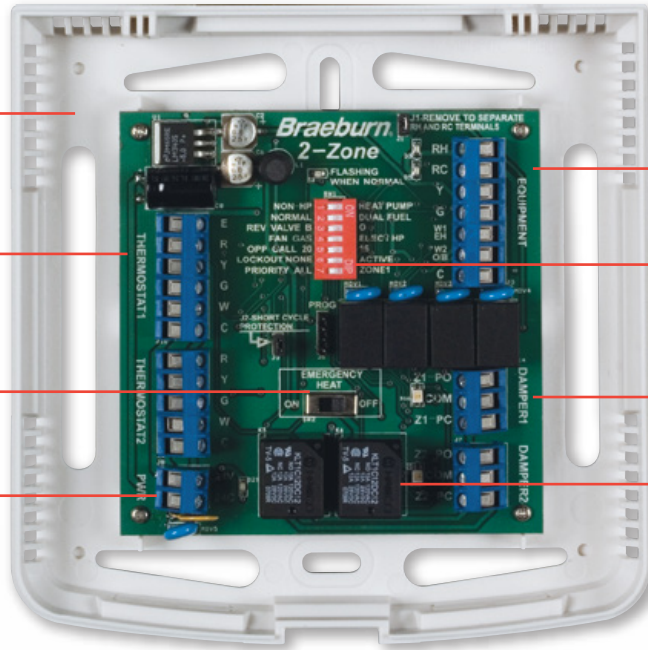- Zone Calling Status LED's

Additional Features (140303)

- On-Board LED Display
- Supply Air Sensor Included
- Adjustable Purge Control
- Thermostat Status LED's
- Equipment Status LED's
- 2-Stage Fan Control
- Advanced Staging

*Complete Zoning Feature Comparison on Page 21.

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Braeburn®

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
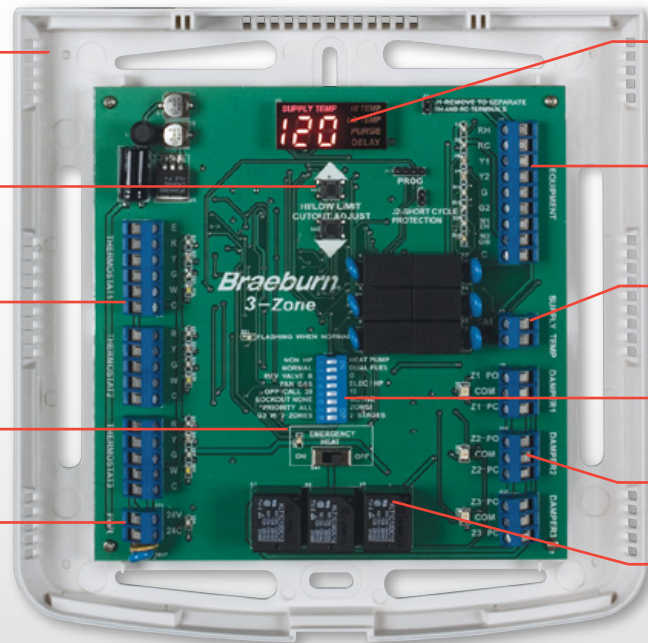
Flexible System Options
Controls conventional, heat pump, electric, and dual fuel systems

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

Braeburn®

2-Zone Control Panel
140221 - 2 Heat / 1 Cool

3-Zone Control Panel
140332 - 3 Heat / 2 Cool

PREMIER SERIES

Compatibility
- Single Stage Conventional or Heat Pump Systems
- Multistage Conventional or Heat Pump Systems
- Single Stage or Multistage Thermostats
- Power Open, Power Close or Spring Return Dampers

Features
- Large Display with Bright Blue Backlight
- Push-In Terminals For Easy Wiring
- On-Board Emergency Heat Switch
- Ability to Select Emergency Heat From Thermostat
- Selectable Zone Priority
- Adjustable Purge Control
- Built-In Test Mode
- Easy Setup and Configuration
- Heavy Duty 10-Amp Relays
- Flexible Staging Controlled by Panel or Thermostats
- Balance Point Control with Optional Outdoor Sensor
- Auxiliary Heat Fossil Fuel Option
- System Reset Button
- Thermostat Status LED's
- Equipment Status LED's
- Zone Calling Status LED's

Additional Features (140332)
- Includes Optional Supply Air Sensor For Limit Protection
- 2-Stage Fan Control

*Complete Zoning Feature Comparison on Page 21.

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Braeburn®

140221

Flexible System Options
Controls conventional, heat pump, electric, and dual fuel systems
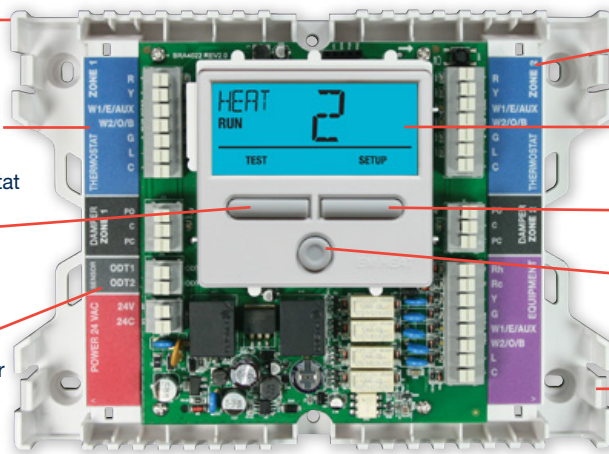
Flexible Thermostat Options
Works with virtually any low voltage heat pump or conventional thermostat

Built In Test Mode
Test all dampers and equipment from panel

Outdoor Sensor Terminals
Connect to Braeburn outdoor sensor for heat pump balance point control

Thermostat Terminals
Push-in wiring terminals with LED status indicators

Large Display
3 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

Professional Appearance
Wire along side and underneath with multiple wire tie points

Compact 8" x 6" Housing

140332

Flexible System Options
Controls conventional, heat pump, electric, and dual fuel systems

Built In Test Mode
Test all dampers and equipment from panel

Damper Terminals
Push-in wiring terminals with LED status indicators

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

Large Display
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 (optional)
Stainless steel sensor controls high and low temperature cutout

Outdoor Sensor Terminals
Connect to Braeburn outdoor sensor for heat pump balance point control

Compact 8" x 10" Housing

Braeburn®

4-Zone Expandable Control Panel
140404 - 4 Heat / 2 Cool

Use with 140404 Zone Panel

2-Zone Expander Panel
140424 - 4 Heat / 2 Cool

PREMIER SERIES

Compatibility
- Single Stage Conventional or Heat Pump Systems
- Multistage Conventional or Heat Pump Systems
- Single Stage or Multistage Thermostats
- Power Open, Power Close or Spring Return Dampers

Features
- Expandable up to 32 Zones
- Large Display with Bright Blue Backlight
- Includes Supply Air Sensor for Staging and Limit Protection
- Push-In Terminals For Easy Wiring
- On-Board Emergency Heat Switch
- Ability to Select Emergency Heat From Thermostat
- Selectable Zone Priority
- Adjustable Purge Control
- Built-In Test Mode
- Easy Setup and Configuration
- Heavy Duty 10-Amp Relays
- Flexible Staging Controlled by Panel or Thermostats
- Balance Point Control with Optional Outdoor Sensor
- Auxiliary Heat Fossil Fuel Option
- System Reset Button
- Fire Alarm Terminals
- 2-Stage Fan Control
- Thermostat Status LED's
- Equipment Status LED's
- Zone Calling Status LED's

Additional Features (140424)
- Add Zones in Affordable 2-Zone Increments
- Installs Up to 500 Ft. from Main Panel
- Stacks Neatly with Main Panel

*Complete Zoning Feature Comparison on Page 21.

RoHS COMPLIANT

5 YEAR LIMITED WARRANTY

Braeburn®

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

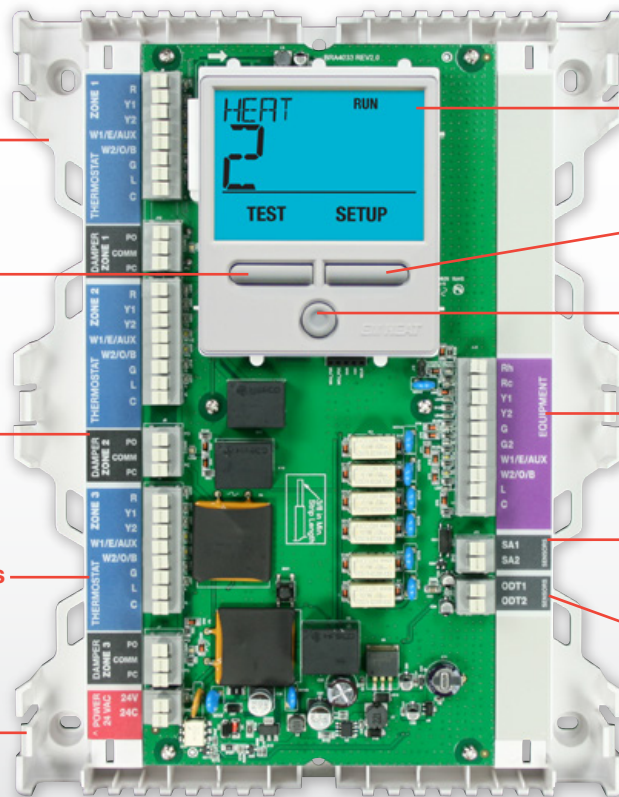**Flexible Thermostat Options**
Works with virtually any low voltage heat pump or conventional thermostat

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
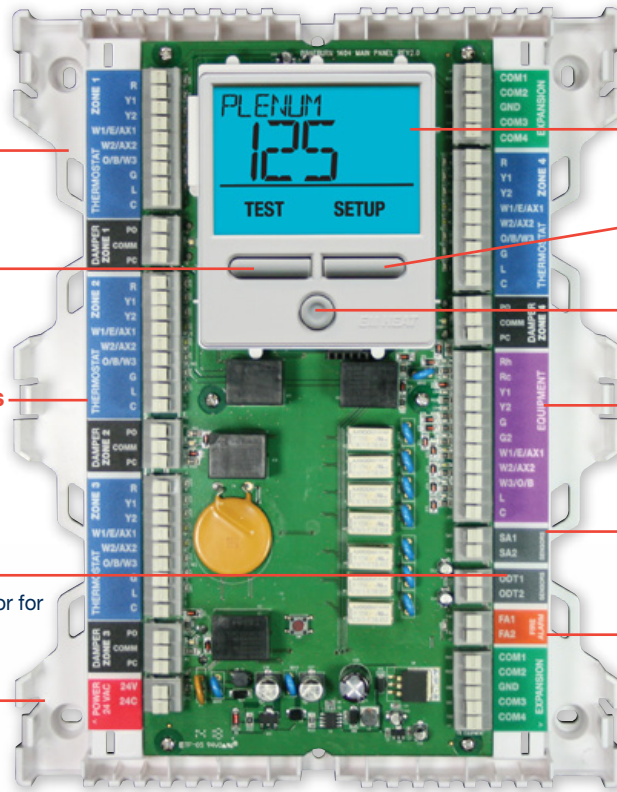
Large Display
5.5 sq. in. backlit display

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

Compact 8" x 10" Housing

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
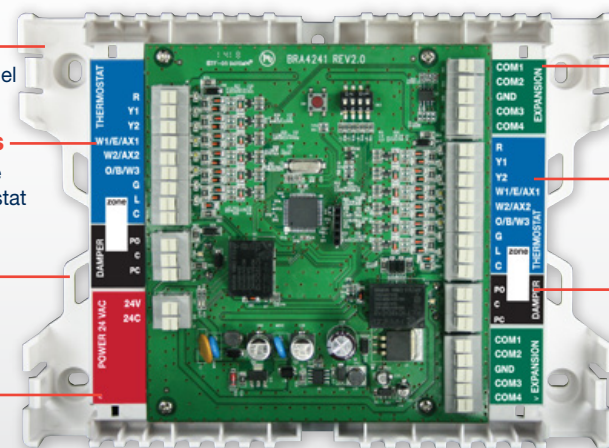
Easy to Wire
Use standard 5-wire thermostat wire from panel to panel

Thermostat Terminals
Push-in wiring terminals with LED status indicators

Damper Terminals
Push-in wiring terminals with LED status indicators

Easy Setup
Set zone number on main panel

Compact 8" x 6" Housing

Braeburn®

Power Open / Power Close

Spring Return

Static Bypass

Adjustable Bypass

Retrofit

Round Zone Dampers

Power Open / Power Close

• For use as zone or bypass damper • 24 VAC 4 VA 3-wire universal operation

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	—	—	—

Spring Return

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

Bypass

• Vertical or horizontal mounting
• Static (weighted arm) or Adjustable Models

Power Close Spring Return	Power Open Spring Return	Static Bypass	Adjustable Bypass	Diameter (Inches)	Length (Inches)
119004	129004	-	-	4	9.75
119005	129005	-	-	5	9.75
119006	129006	119106	-	6	9.75
119007	129007	119107	-	7	9.75
119008	129008	119108	119208	8	9.75
119009	129009	119109	-	9	9.75
119010	129010	119110	119210	10	9.75
119012	129012	119112	119212	12	11.75
119014	129014	119114	119214	14	13.75
119016	129016	119116	-	16	15.75
119018	129018	119118	-	18	17.75
119020	129020	119120	-	20	19.75

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

5 YEAR LIMITED WARRANTY

Accessories Available–See Page 19

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

(left axis label: Width in Inches)

All motors are mounted on the Height Dimension
* Larger heights available. Contact factory for availability.

Power Close /
Spring Return

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

(left axis label: Width in Inches)

All motors are mounted on the Height Dimension
* Larger heights available. Contact factory for availability.

Rectangular Static Bypass

Height in Inches

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

Rectangular
Bypass

5 YEAR LIMITED WARRANTY

Braeburn.

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.
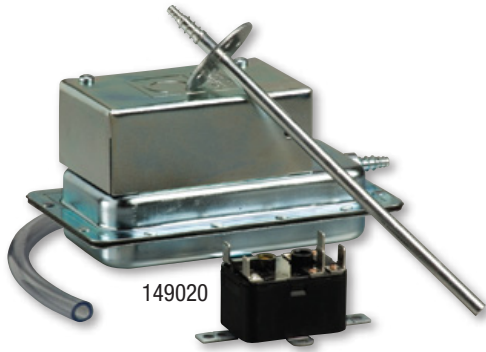
149020

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

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
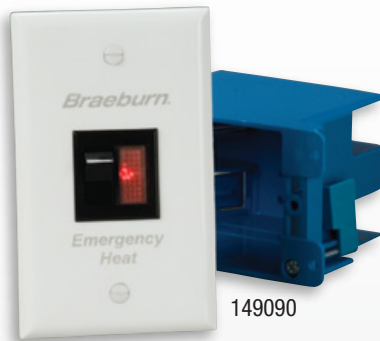
Emergency Heat Switch Kit

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.

149090

Features
- 149090 features a commercial quality lighted rocker switch
- 149091 features a standard switch
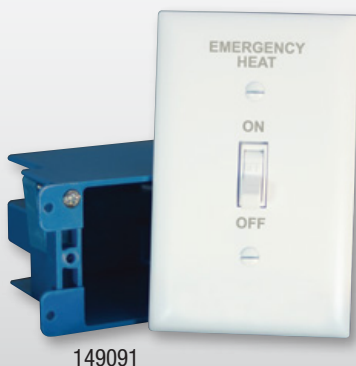
Replacement Parts

149125 Replacement Motor for PO/PC Dampers (Manufactured 2012 to June 2019)

149126 Replacement Motor for Round PO/PC Dampers (Manufactured after June 2019)

149127 Replacement Motor for Rectangular PO/PC Dampers (Manufactured after June 2019)

149145 Replacement Motor for Spring Return (SR) Dampers (Manufactured after 2012)

149156 Replacement Supply Air Sensor

149160 Barometric Bypass Damper Counterweight

149091

1 YEAR LIMITED WARRANTY

BRAEBURN THERMOSTAT FUNCTIONS AND FEATURES

	Braeburn Model No.	Conventional	Heat Pump	Non-Prog.	5-2 Day	7 Day	Gas, Oil, Electric	Heat Pump	Millivolt	Hydronic Systems 2 or 3 Wire	Battery/Hardwire	Wi-Fi	Wireless	Display Size (sq. in.)	Backlight	Adjustable Differential(s)	Quick Reference Instruction Card	Removable Face Plate	Permanent Memory	Adaptive Recovery Mode	Circulating Fan	Service Monitor(s)	Auto Changeover	Keypad Lockout	Temperature Limits	Indoor/Outdoor Remote Sensing	Wireless Remote Sensing	Dual Fuel Capable	Programmable Fan	Balance Points	Humidity Control	Residential and Commercial Modes	Dry Contact	Warranty (Years)	Honeywell®	Emerson®
MECHANICAL	500	1/1	1/1	•	-	-	•	•	•	2	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	T8034N, T834N T87N	1E56N
MECHANICAL	505	1/0	-	•	-	-	•	-	•	2	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	T822K, T827K	1E30, 1E50, 1C20
NON-PROGRAMMABLE	1020NC	1/1	1/1	•	-	-	•	•	•	2	•	-	-	2	•	•	•	-	•	-	-	-	-	-	•	-	-	-	-	-	-	-	-	5	TH1110, TH3110	1F78-144, 1E78-144
NON-PROGRAMMABLE	1025NC	1/0	-	•	-	-	•	-	•	2/3	•	-	-	2	•	•	•	-	•	-	-	-	-	-	•	-	-	-	-	-	-	-	-	5	TH1100	1E78-140
NON-PROGRAMMABLE	1030	1/1	1/1	•	-	-	•	•	•	2	•	-	-	4.4	•	•	-	•	•	-	-	-	•	-	•	-	-	-	-	-	-	-	-	5	TH3110, TH5110	1F83C-11NP, 1F86-0244
NON-PROGRAMMABLE	1220NC	2/1	2/1	•	-	-	•	•	•	2	•	-	-	2	•	•	•	-	•	-	-	-	-	-	•	-	-	-	-	-	-	-	-	5	TH1210, TH3210	1F79-111
NON-PROGRAMMABLE	1230	2/1	2/1	•	-	-	•	•	•	2	•	-	-	4.4	•	•	-	•	•	-	-	-	•	-	•	-	-	-	-	-	-	-	-	5	TH3210, TH5220	1F83H-21NP, 1F89-0211
PROGRAMMABLE	2020NC	1/1	1/1	•	•	•	•	•	•	2	•	-	-	2	•	•	•	-	•	•	-	-	•	-	•	-	-	-	-	-	-	-	-	5	TH2110, TH4110	1F78-151, 1E78-151
PROGRAMMABLE	2030	1/1	1/1	•	•	•	•	•	•	2	•	-	-	4.4	•	•	-	•	•	•	•	-	•	-	•	-	-	-	-	-	-	-	-	5	TH4110	1F83C-11PR, 1F80-0261 1F80-0224
PROGRAMMABLE	2220NC	2/1	2/1	•	•	•	•	•	•	2	•	-	-	2	•	•	•	•	•	•	-	-	•	-	•	-	-	-	-	-	-	-	-	5	TH2210, TH4210	1F82-261, 1F72-151
PROGRAMMABLE	2230	2/1	2/1	•	•	•	•	•	•	2	•	-	-	4.4	•	•	-	•	•	•	-	-	•	-	•	-	-	-	-	-	-	-	-	5	TH4210	1F83H-21PR, 1F82-0261
PROGRAMMABLE	4030	1/1	2/1	•	•	•	•	•	•	2/3	•	-	-	4.4	•	•	-	•	•	•	•	•	•	•	•	•	-	•	-	•	-	•	•	5	TH6110, TH6210	1F85U-22PR, 1F80-0471
PROGRAMMABLE	4235	2/2	3/2	•	•	•	•	•	•	2/3	•	-	-	4.4	•	•	-	•	•	•	•	•	•	•	•	•	-	•	•	•	•	•	•	5	TH6220, TH6320	1F85U-42PR, 1F85-0471 1F85-0477, 1F85-0422
BLUELINK®	7205	2/2	3/2	•	•	•	•	•	•	2	•	•	-	3	•	•	•	-	•	•	•	-	•	•	•	-	-	•	-	-	-	-	-	5	TH6320WF, TH6220WF	1F86U-42WF
BLUELINK®	ST920WF	2/2	3/2	•	•4	•4	•	•	-	2	H	•	-	6	•	•	-	-	•	-	-	-	•	•	-	-	-	•	-	-	-	-	-	5	TH6320WF, TH6220WF	1F86U-42WF
BLUELINK®	ST921WF	2/1	2/1	•	•4	•4	•	•	-	2	H	•	-	4.8	•	•	-	-	•	-	-	-	•	•	-	-	-	•	-	-	-	-	-	5	TH6220WF	1F86U-42WF
BLUELINK®	7500	2/2	3/2	•	•	•	•	•	•	2/3	•2	-	•	5	•	•	•	•	•	-	•	•	•	•	•	•	•	•	•	•	•3	•	-	5	YTH5320R, YTH6320R	1F98EZ-1621

[1] 24 VAC required for Wi-Fi   [2] Control module requires 24 VAC   [3] Requires 7330 remote sensor   [4] When used with BlueLink SOLO app   [5] Indoor Only   Verify specific application requirements. All trademarks are the property of their respective owners. Product specifications may change without notice.   ©2024 Braeburn Systems LLC • All Rights Reserved.

Braeburn Model No.	Zones	Staging Conventional	Staging Heat Pump	Single Stage Conventional	Multi-Stage Conventional	Single Stage Heat Pump	Multi-Stage Heat Pump	Power Open / Power Close	Power Open / Spring Return	Power Close / Spring Return	Power	LCD Display Size (Sq. In.)	Expandable up to 32 Zones*	Heavy-Duty 10 Amp Relays	Supply Air Sensor Capable	Supply Air Sensor Included	Emergency Heat from Thermostat	On-Board Emergency Heat Switch	Selectable Zone Priority	Adjustable Fan Purge	Thermostat Status LED's	Equipment Status LED's	Zone Calling Status LED's	2-Stage Fan Control (G2)	Push-In Wiring Terminals	Staging by Panel	Staging by Thermostats	Outdoor Sensor Capable	Fire Alarm Terminals	Built-In Test Mode	System Reset Button	Warranty (Years)	Honeywell®	EWC®	ZoneFirst®	AprilAire®
140202	2-Zone	2/1	2/1	•	-	-	-	•	•	•	24 VAC	-	-	•	-	-	-	•	•	-	-	-	•	-	-	•	-	-	-	-	-	5	-	-	MMP2	6202
140303	3-Zone	2/2	2/2	•	-	-	-	•	•	•	24 VAC	-	-	•	•	•	-	•	•	•	•	•	•	•	-	•	-	-	-	-	-	5	-	NCM300	MMP3, MMZ3	6203, 6303
140221	2-Zone	2/1	2/1	•	•	•	•	•	•	•	24 VAC	3	-	•	-	-	•	•	•	•	•	•	•	-	•	•	-	•	-	•	•	5	HZ211	-	-	6302
140332	3-Zone	2/2	3/2	•	•	•	•	•	•	•	24 VAC	5.5	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	5	HZ311, HZ332	BMPlus3000	H32, H32P	6303, 6403
140404	4-Zone Expandable	3/2	4/2	•	•	•	•	•	•	•	24 VAC	5.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5	HZ432	UZC, BMPlus	MZP4, MZS4, MDP3	6404

*Requires 140424 2-Zone Expansion Panel.

FREE Custom Faceplates Fits All Braeburn Economy, Premier and BlueLink® thermostats!

Braeburn

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

- Visit www.braeburnonline.com/contractor-branding

- Provide 3 lines of text (no logos) - 30 characters per line

- Contractors will receive 48 custom branded thermostat faceplates for FREE, with no set-up fees or branding charges.

- Please allow 2-3 weeks for delivery

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

FREE Quick Reference Cards with Color Logo

Available for Builder Series thermostats.

- Visit www.braeburnonline.com/contractor-branding

- Upload your high resolution logo in TIF, JPG or EPS format

- Contractors will receive 50 full color Contractor Branded Quick Reference Cards for FREE, with no set-up fees or branding charges.

- Please allow 2-3 weeks for delivery

Braeburn® Products

Welcome! Braeburn is the value alternative for a wide variety of indoor and smart home 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.

BlueLink®)) Service Connect App

BlueLink Service Connect® is a free app that lets contractors send invitations to their existing BlueLink customers, requesting temporary or permanent access to their account. Once access is granted, contractors can view, modify and manage the approved thermostats remotely, without the need for a costly service call.

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