

## Universal Smart Wi-Fi Thermostat

**8205** Up to 3 Heat / 2 Cool Heat Pump  
Up to 2 Heat / 2 Cool Conventional

*Model and serial number are located on back of thermostat.*

**1 Specifications   2 Installation   3 Wiring   4 Quick Reference**  
**5 Installer Settings   6 Wi-Fi Setup   7 System Testing**



**Warning** *For installation by experienced service technicians only.*



**Caution** *Possible electric shock or damage to equipment can occur.  
Disconnect power before beginning installation.*

*This thermostat requires 2 properly installed “AA” Alkaline batteries for proper operation. When connecting optional 24 Volt AC power the batteries may be installed as a backup. **For some system types, a 24 VAC common (C wire) may be required.** Thermostat installation and all components of the system shall conform to Class II Circuits per NEC code.*

***For use only as described in this manual. Any other use will void warranty.***

### 1 Specifications

**This thermostat is compatible with:**

- Single stage heat / cool conventional and heat pump systems
- Conventional systems up to 2 stages of heating and 2 stages of cooling
- Heat pump systems up to 3 stages of heating and 2 stages of cooling

**Electrical and control specifications:**

- Electrical Rating: 24 Volt AC
- 1 amp maximum load per terminal
- AC Power: 18 – 30 Volts AC
- DC Power: 3.0 Volt DC (2 “AA” Alkaline Batteries Included)
- Control Range: 45° – 90° F (7° – 32° C)
- Temperature Accuracy: +/- 1° F (+/- .5° C)

**Terminations**

Rh, Rc, G, W1/E/W3, W2/AUX, Y1, Y2, O/B

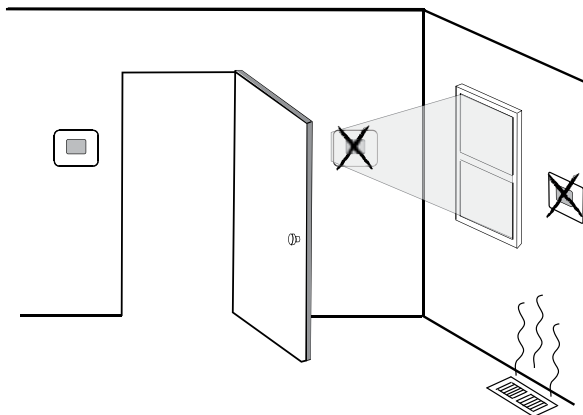
## 2 Installation

**⚠ Warning** *Disconnect power before beginning installation.*

### Thermostat Location

Install the thermostat approximately 5 feet (1.5m) above the floor in an area that has a good amount of air circulation and maintains an average room temperature.

Avoid installation in locations where the thermostat can be affected by drafts, dead air spots, hot or cold air ducts, sunlight, appliances, concealed pipes, chimneys and outside walls.

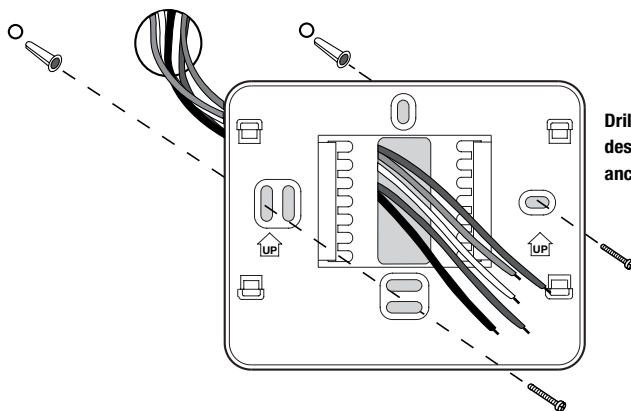


### Install your New Braeburn Thermostat in 4 Easy Steps

- 1 Install the Sub-Base
- 2 Connect Your Wires
- 3 Provide Power
- 4 Attach Thermostat to Sub-Base

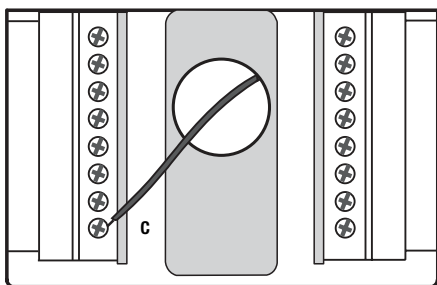
#### 1 Install the Sub-Base:

- Remove the sub-base from the body of the thermostat.
- Mount the sub-base as shown below:



**Drill 3/16" pilot holes in your desired location. Use supplied anchors for drywall or plaster.**

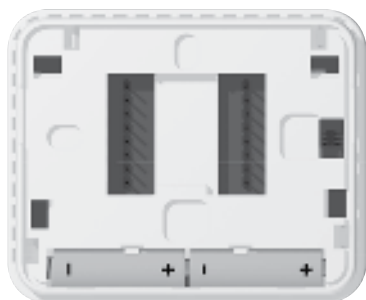
## 2 Connect Your Wires



24VAC Power Terminal (C)

Connect your wires as required for your system type. Refer to Section 3 - Wiring, on pages 4-5 for more information.

## 3 Provide Power to Thermostat



Batteries Installed as Shown

- **Battery Power** - Insert the 2 supplied “AA” type alkaline batteries into the battery compartment located in the rear housing of the thermostat. Make sure to position the Positive (+) and Negative (-) sides of the batteries correctly with the +/- symbols in the battery compartment.
- **Optional 24 Volt AC power** - Connect the common side of the transformer to the C terminal on the thermostat sub-base. In dual transformer installations, the transformer common must come from the cooling transformer.

**NOTE:** 24 Volt AC power may be required to operate on heat pumps, cool only systems or heat only systems.

## 4 Attach Thermostat to Sub-Base



Once you complete the wiring in Section 3, attach thermostat to sub-base and then configure the Installer Settings in Section 6.

- 1) Line up the thermostat body with the sub-base.
- 2) Carefully push the thermostat body against the sub-base until it snaps in place.

**NOTE:** This thermostat ships configured as a 1 Heat / 1 Cool conventional (CONV 11) thermostat. You must configure the thermostat for other system types using the Installer Settings menu. See section 6.

### 3 Wiring

#### Conventional Systems - Typical Wiring Configurations

Wiring Terminal	Terminal Description	Heat Only System Type: CONV 11	Cool Only System Type: CONV 11	1 Heat/1 Cool System Type: CONV 11	2 Heat/2 Cool System Type: CONV 22
<b>Rh</b>	24 VAC Heating Transformer	Rh	-	Rh <sup>1</sup>	Rh <sup>1</sup>
<b>Rc</b>	24 VAC Cooling Transformer	-	Rc	Rc <sup>1,2</sup>	Rc <sup>1,2</sup>
<b>G</b>	Fan Relay	G <sup>4</sup>	G	G	G
<b>W1/E/W3</b>	(W1) Conventional Heat Relay (E) Emergency Heat Relay	W1	-	W1	W1
<b>W2/AUX</b>	(W2) 2nd Stage Conventional Heat (AUX) Heat Pump Auxiliary Heat	-	-	-	W2 <sup>4</sup>
<b>O/B</b>	(O) Cool Active Reversing Valve (B) Heat Active Reversing Valve (V3) Zone Valve Power Close	-	-	-	-
<b>Y1</b>	1st Stage Compressor Relay	-	Y1	-	Y1
<b>Y2</b>	2nd Stage Compressor Relay	-	-	-	Y2 <sup>4</sup>
<b>C</b>	24 VAC Transformer Common	C <sup>5</sup>	C <sup>5</sup>	C <sup>3,4</sup>	C <sup>3,4</sup>

"System Type" is configured in the Installer Settings - See section 5.

#### NOTES - Conventional Systems

- 1** Remove factory installed jumper for dual transformer systems
- 2** Only required for dual transformer systems
- 3** For dual transformer systems, common must come from cooling transformer
- 4** Only connect if needed for system
- 5** 24 VAC Common (C wire) connection required

*Provide disconnect and overload protection as required.*

### 3 Wiring

#### Heat Pump Systems - Typical Wiring Configurations

Wiring Terminal	Terminal Description	1 Heat/1 Cool <i>System Type: HP 11</i>	2 Heat/2 Cool (w/Aux Heat) <i>System Type: HP 22</i>	2 Heat/2 Cool <i>System Type: HP 32</i>	3 Heat/2 Cool (w/Aux Heat) <i>System Type: HP 32</i>
<b>Rh</b>	24 VAC Heating Transformer	Rh	Rh	Rh	Rh
<b>Rc</b>	24 VAC Cooling Transformer	-	-	-	-
<b>G</b>	Fan Relay	G	G	G	G
<b>W1/E/W3</b>	(W1) Conventional Heat Relay (E) Emergency Heat Relay	-	E <sup>2</sup>	-	E <sup>2</sup>
<b>W2/AUX</b>	(W2) 2nd Stage Conventional Heat (AUX) Heat Pump Auxiliary Heat	-	AUX <sup>2</sup>	-	AUX <sup>2</sup>
<b>O/B</b>	(O) Cool Active Reversing Valve (B) Heat Active Reversing Valve (V3) Zone Valve Power Close	O/B <sup>1</sup>	O/B <sup>1</sup>	O/B <sup>1</sup>	O/B <sup>1</sup>
<b>Y1</b>	1st Stage Compressor Relay	Y1	Y1	Y1	Y1
<b>Y2</b>	2nd Stage Compressor Relay	-	-	Y2	Y2
<b>C</b>	24 VAC Transformer Common	C <sup>3</sup>	C <sup>3</sup>	C <sup>3</sup>	C <sup>3</sup>

"System Type" is configured in the Installer Settings - See section 5.

#### NOTES - Heat Pump Systems

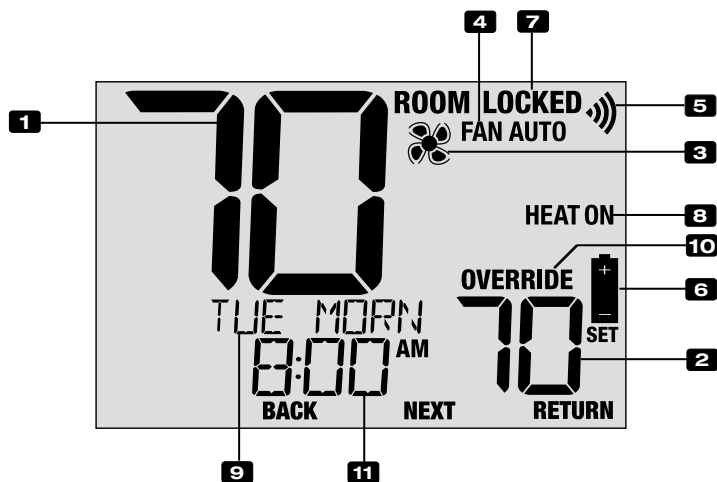
**1** O (cool active) or B (heat active) is selected in the Installer Settings menu

**2** If no separate emergency heat relay, connect to either AUX or E and Install a field supplied jumper wire

**3** 24 VAC Common (C wire) connection required

*Provide disconnect and overload protection as required.*

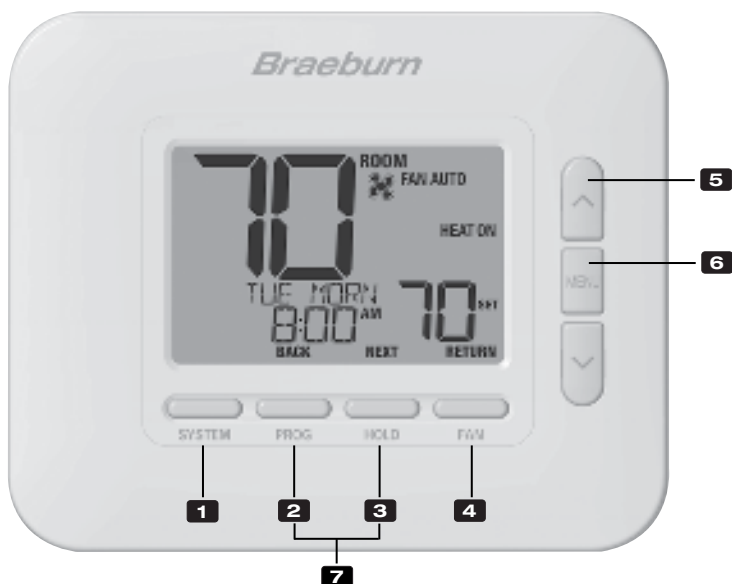
## 4 Quick Reference



### Thermostat Display

- 1** **Room Temperature** ..... Displays the current room temperature
- 2** **Set Temperature** ..... Displays the current set point temperature
- 3** **Fan Indicator** ..... Indicates when the system fan is running
- 4** **Fan Mode Indicator** ..... Indicates the current fan mode
- 5** **Wi-Fi Indicator** ..... Indicates a Wi-Fi connection (flashes when connection has been lost)
- 6** **Low Battery Indicator** ..... Indicates when the batteries need to be replaced
- 7** **Lock Mode Indicator** ..... Indicates if the thermostat is locked
- 8** **System Mode Indicator** ..... Displays information about the system mode and status
- 9** **Message Center** ..... Displays various thermostat status and maintenance information
- 10** **Override Indicator** ..... Indicates the current program schedule has been temporarily overridden
- 11** **Time of Day** ..... Displays the current time of day

## 4 Quick Reference



### Thermostat

- 1 SYSTEM Button** .....Selects the system you want to control
- 2 PROG Button** .....Enters programming mode or hold for 3 seconds to enter SpeedSet® mode
- BACK Button\*** .....Secondary function of the **PROG** button - Moves to previous setting
- 3 HOLD Button** .....Enters / Exits the **HOLD** mode (program bypass mode)
- NEXT Button\*** .....Secondary function of the **HOLD** button - Moves to next setting
- 4 FAN Button** .....Selects the system fan mode
- RETURN Button\*** .....Secondary function of the **FAN** button - Exits program or setting modes
- 5 Up / Down Arrow Buttons** .....Increases or decreases settings (time, temperature, etc.)
- 6 MENU Button** .....Used to access thermostat User / Installer setting modes
- 7 Lock / Unlock Thermostat** ....Access user Lock / Unlock screen by holding **PROG** and **HOLD** together for 5 seconds
- Battery Compartment** .....Located on the back side of thermostat (if installed)

\* **BACK**, **NEXT** and **RETURN** are secondary functions of the **PROG**, **HOLD** and **FAN** buttons. When in programming or configuration modes, **BACK**, **NEXT** and **RETURN** appear in the display screen indicating that the **PROG**, **HOLD** and **FAN** buttons now function as **BACK**, **NEXT** and **RETURN**.

## 5 Installer Settings

The Installer Settings must be properly configured in order for this thermostat to operate correctly. The Installer Settings are menu driven. The portion of these settings that do not apply to your setup will be skipped.

### To Enter Installer Settings Menu

- 1 Press and hold the **MENU** button for 5 seconds.
- 2 Release the **MENU** button after the first installer setting is displayed.
- 3 Change settings as required using the **▲** or **▼** buttons.
- 4 Press **NEXT (HOLD)** or **BACK (PROG)** to move to the next or previous setting.
- 5 Press **RETURN (FAN)** to exit or wait 30 seconds.

**NOTE:** You may be prompted to enter an Installer Lock code, if applicable.



No.	Installer Setting	Displayed	Default Setting	Available Settings	Description of Available Settings
1	<b>Programming Mode</b>	PROGRAM DAYS	7	7	Select for 7-day programming mode
				52	Select for 5-2 day programming mode
				NO	Select for non-programmable mode
				Selects the programming capabilities of the thermostat, either full 7 individual days, 5-2 day (weekday/weekend) programming or non-programmable.	
2	<b>Clock Format</b>	CLOCK	12HR	12HR	Select for a 12-hour clock
				24HR	Select for a 24-hour clock
				Selects either a 12 hour or 24 hour clock format.	
3	<b>Temperature Scale</b>	DEGREE	F	F	Select for Fahrenheit temperature display
				C	Select for Celsius temperature display
				Selects a temperature scale of either °F or °C.	
4	<b>System Type</b>	SYSTEM	CONV 11	CONV 11	Select for 1H/1C Conventional system
				CONV 22	Select for 2H/2C Conventional system
				HP 11	Select for 1H/1C Heat Pump system
				HP 22	Select for 2H/2C Heat Pump system
				HP 32	Select for 3H/2C Heat Pump system
				Select the type of equipment you are controlling. The HP 32 system type is for a 2-stage heat pump compressor (stage 1 and 2) with auxiliary heat (stage 3).	
5	<b>1st Stage Differential</b>	DEGREE DIF1	0.5	0.5, 1.0, 2.0	Select a 1st stage temperature differential of 0.5°, 1° or 2° F (0.2°, 0.5° or 1.0° C)
		Selects a 1st stage temperature differential which controls the degree of separation between the setpoint temperature and the 1st stage of heating or cooling.			
6	<b>2nd Stage Differential</b>	DEGREE DIF2	2.0	1.0, 2.0, 3.0 4.0, 5.0, 6.0	Select a 2nd stage temperature differential of 1°, 2°, 3°, 4°, 5° or 6° F (0.5°, 1.0°, 1.5°, 2.0°, 2.5° or 3.0° C)
		<i>[Only available if a 2 or 3 stage system was selected in setting 4]</i> Selects a 2nd stage temperature differential which controls the degree of separation between the 1st and 2nd stage of heating or cooling.			
7	<b>3rd Stage Differential</b>	DEGREE DIF3	2.0	1.0, 2.0, 3.0 4.0, 5.0, 6.0	Select a 3rd stage temperature differential of 1°, 2°, 3°, 4°, 5° or 6° F (0.5°, 1.0°, 1.5°, 2.0°, 2.5° or 3.0° C)
		<i>[Only available if a 3 stage system was selected in setting 4]</i> Selects a 3rd stage temperature differential which controls the degree of separation between the 2nd and 3rd stage of heating.			

Continued on next page



No.	Installer Setting	Displayed	Default Setting	Available Settings	Description of Available Settings
8	Auto Changeover	AUTO CHG	OFF	OFF	Auto-Changeover disabled
				ON	Auto-Changeover enabled
When auto-changeover mode is enabled and selected, the system can automatically switch between heating and cooling modes. There is a 5 minute delay when switching modes if auto changeover is selected. Auto changeover may affect your setpoint limit options in settings 21-24.					
9	Auto Changeover Dead Band	DEADBAND	3	2, 3, 4, 5	Select an Auto Changeover Dead Band of 2°, 3°, 4° or 5° F (1°, 2° or 3° C)
					<i>[Only available if Auto Changeover was enabled in setting 8]</i> When using auto changeover mode, the dead band is a forced separation between the heating and cooling setpoints so that the systems do not work against each other. This setting selects the amount of this dead band in degrees.
10	Conventional Heat Fan Control	FAN1	GAS	GAS	Select for conventional Gas heating
				ELEC	Select for conventional Electric heating
<i>[Only available if a conventional system was selected in setting 4]</i> Selects a 1st stage fan control of either gas or electric heat. If Electric is selected, the thermostat turns on the system fan with a call for heating.					
11	Emergency Heat Fan Control	EMER FAN	ELEC	ELEC	Select for Electric Emergency Heat
				GAS	Select for Gas Emergency Heat
<i>[Only available if a 2 or 3 stage heat pump system was selected in setting 4]</i> Selects emergency heat fan control of either gas or electric heat. If Electric is selected, the thermostat turns on the system fan with a call for emergency heat.					
12	Residual Cooling Fan Delay	RESIDUAL COOL	60	90, 60, 30, 0	Select fan delay duration in seconds
				Selects a delay for the system fan after the cooling compressor has turned off. This delay will help remove the remaining cool air out of the ductwork providing additional efficiency.	
13	Circulating Fan Lock	CIRCLOCK	OFF	OFF	Circulating Fan Lock is disabled
				ON	Circulating Fan Lock is enabled
When enabled, the only user fan settings available are ON and CIRC (Circulation). The AUTO and PROG fan settings are not available with this setting enabled.					
14	Reversing Valve (O/B Terminal)	R VALVE	0	0	Select for cool active Reversing Valve
				B	Select for heat active Reversing Valve
<i>[Only available if a heat pump system was selected in setting 4]</i> Selects the output state of the O/B terminal. Select 0 for this terminal to be active in the cool mode or select B for this terminal to be active in the heat mode.					
15	Compressor Short Cycle Protection (CSCP)	CSCP MIN	5	5, 4, 3, 2, 1, 0	Select CSCP delay duration in minutes
				Selects the number of minutes the compressor(s) will be locked out after turning off. This delay will run simultaneously with any delay built into the equipment.	
16	Fossil Fuel Backup Heat	AUX HEAT	ELEC	ELEC	Select for Electric Auxiliary heat (with compressor)
				GAS	Select for Gas Auxiliary heat (without compressor)
<i>[Only available if a 2 or 3 stage heat pump system was selected in setting 4]</i> When set to electric, both the compressor and auxiliary stage will run when a call for auxiliary heat is made. When set to gas, the compressor stage(s) will be locked out one minute after a call for auxiliary heat. This setting can be overridden if setting an auxiliary heat					

Continued on next page

No.	Installer Setting	Displayed	Default Setting	Available Settings	Description of Available Settings
17	<b>Adaptive Recovery Mode (ARM™)</b>	RECOVER	OFF	OFF	Adaptive Recovery Mode is disabled
				ON	Adaptive Recovery Mode is enabled
				<i>[Not available if non-programmable was selected in setting 1]</i> During ARM, room temperature is recovered by turning on the heating or cooling up to 3-hours before the end of the set back period. The setpoint temperature is changed to that of the upcoming program temperature.	
18	<b>User Lock Security Level</b>	USERLOCK LVL	2	2	If locked, all buttons except <b>A</b> and <b>V</b> are disabled
				1	If locked, only the PROG, HOLD and MENU buttons are disabled
				Selects the level of keypad lockout when the thermostat has been locked by the user. See the User Manual for instructions on setting the 3-digit lock code and locking/unlocking the thermostat.	
19	<b>Installer Lock</b>	INSTLOCK	OFF	ON	Installer Lock disabled
				OFF	Installer Lock enabled
				When enabled, a 4-digit lock code can be entered in setting 20. This lock code will be required the next time the Installer Settings menu is accessed. Select OFF to skip the installer lock.	
20	<b>Installer Lock Code</b>	IL CODE	0000	0-9	Select 0-9 for each digit
					<i>[Only available if Installer Lock was enabled in setting 19]</i> Select a 4-digit lock code (0-9 for each digit) to lock the Installer Settings menu. The code 0000 is not a valid lock code and cannot be used.
21	<b>Heat Setpoint Upper Limit</b>	HIGH LIM HEAT	90	90 - 45 (32° to 7°C)	Select a Heat Setpoint Upper Limit of 90° to 45°F (32° to 7°C)
					Selects the upper setpoint adjustment limit that cannot be exceeded in heat mode.
22	<b>Heat Setpoint Lower Limit</b>	LOW LIM HEAT	45	45 - 90 (7° to 32°C)	Select a Cool Setpoint Lower Limit of 45° to 90°F (7° to 32°C)
					Selects the lower setpoint adjustment limit that cannot be exceeded in heat mode.
23	<b>Cool Setpoint Lower Limit</b>	LOW LIM COOL	45	45 - 90 (7° to 32°C)	Select a Cool Setpoint Lower Limit of 45° to 90°F (7° to 32°C)
					Selects the lower setpoint adjustment limit that cannot be exceeded in cool mode.
24	<b>Cool Setpoint Upper Limit</b>	HIGH LIM COOL	90	90 - 45 (32° to 7°C)	Select a Heat Setpoint Upper Limit of 90° to 45°F (32° to 7°C)
					Selects the upper setpoint adjustment limit that cannot be exceeded in cool mode.
25	<b>Installer Clear (factory reset)</b>	CLEAR	NONE	NONE	Clear disabled - no changes made
				ALL	Clear enabled - factory reset
				Selecting ALL will return thermostat to all factory default settings. Factory reset will take affect upon exiting Installer settings menu.	

Additional options such as Service Monitors, Setting the Lock Code, etc., are located in the User Settings - See User Manual.

## 6 Wi-Fi Setup

### Set-Up for Connection

Before beginning Wi-Fi setup you will need to:

- Wire and install the thermostat
- Know the Wi-Fi network name and password
- Have a valid e-mail address for the account
- Locate your thermostat serial number
- Get the FREE app for iOS or Android™

**NOTE:** The initial thermostat connection must be performed from an Apple iOS or Android™ mobile device or tablet. Once connected, you can access the app on a desktop PC by visiting [bluelinksmartconnect.com/bluelink](http://bluelinksmartconnect.com/bluelink).



**BlueLink**  
smart connect

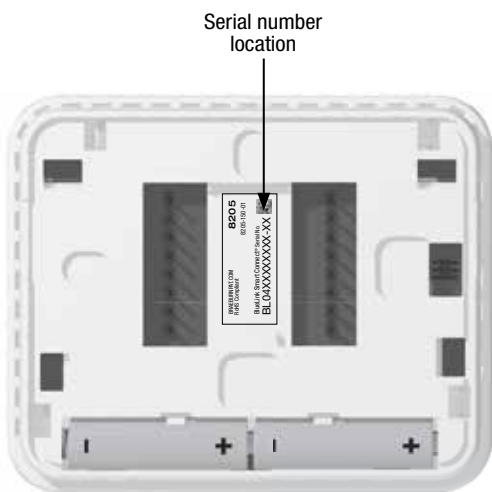


### Login and Register

- 1 Open the BlueLink Smart Connect App. Select **REGISTER** and enter a valid e-mail address.
- 2 Enter the thermostat serial number. You can locate this number on the back of the thermostat.

**NOTE:** If you removed the thermostat to locate the serial number, make sure to reconnect it before selecting **ENTER**.

- 3 Complete the remaining registration screens. The application will walk you through the Wi-Fi connection process.



Use the Wi-Fi Menu on the next page to manage Wi-Fi network connections.

# Wi-Fi Menu

The Wi-Fi Menu allows you to connect your thermostat to a Wi-Fi network, review the saved Wi-Fi network information, and to clear Wi-Fi connection when necessary.

## To Enter the Wi-Fi Menu

- 1 Press and release the **MENU** button
- 2 Use the **▲** or **▼** buttons to select **WIFI SET**
- 3 Press **NEXT** (HOLD) to confirm this choice and enter the User Settings Menu
- 4 Press **NEXT** (HOLD) or **BACK** (PROG) to move to the next or previous setting
- 5 Press **RETURN** (FAN) to exit or wait 30 seconds



No.	Installer Setting	Displayed	Default Setting	Available Settings	Description of Available Settings
1	Wi-Fi Pairing Mode	CONNECT WIFI	-	-	-
	<b>[Only appears if the thermostat does not have saved Wi-Fi network information]</b> The thermostat is ready to connect to a Wi-Fi network. Use the BlueLink Smart Connect® application to complete the connection process.				
2	Wi-Fi SSID	{SSID} WIFI	-	-	-
	<b>[Only appears if the thermostat has saved Wi-Fi network information]</b> This option does not perform any function, but allows the user to review the saved Wi-Fi network.				
3	Wi-Fi Clear	CLEAR	NO	NO	Select if you do not want to clear the saved Wi-Fi network information
				Y	Select to clear the saved Wi-Fi network information and prepare the thermostat for a new Wi-Fi connection
	<b>[Only appears if the thermostat has saved Wi-Fi network information]</b> This option can be used to clear the saved Wi-Fi network to prepare the thermostat for a new network.				
4	No Power Warning	NO POWER WIFI	-	-	-
	<b>[This message appears if the thermostat does not have sufficient power to operate the Wi-Fi]</b> Ensure that the thermostat is snapped securely onto the sub-base, and try again. If this message persists, check power to the heating and cooling equipment. If your thermostat is not equipped with a common “C” wire, you may need to provide this connection in order to remove this message.				

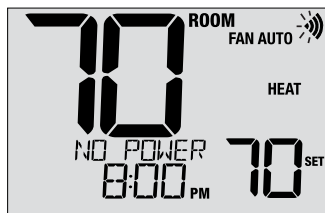
## Troubleshooting Wi-Fi Connection Issues

The following error messages may be encountered when connecting to Wi-Fi.

**NO POWER** Indicates the thermostat does not have sufficient power to operate Wi-Fi. Make sure the thermostat is snapped securely on the sub-base. Check the power to the heating and cooling equipment, and try again. If the issue persists and your thermostat is not equipped with a common “C” wire, you may need to provide this connection to remove the message and connect to Wi-Fi.

**CONNECT FAIL** Indicates the thermostat was unsuccessful in its attempt to connect to the Wi-Fi network. This could be due to a variety of factors, but check the following and try again:

- Ensure you are entering the correct network name and password during the connection process. If using a network with no password, enter a space in the password field.
- Make sure you are connecting to a 2.4GHz Wi-Fi network. The thermostat is not compatible with 5GHz networks.
- Try disabling MAC address filtering, firewalls, and any additional advanced security on your router during the connection process. Once you have finished the connection, you can typically re-enable these advanced security settings.
- Confirm that you have internet access on other devices connected to the Wi-Fi network you are trying to use.



## Clearing Wi-Fi Connection or Changing Network

To clear the thermostat's Wi-Fi connection and prepare for a new Wi-Fi connection, perform the following steps:

- 1 Use option 3 of the Wi-Fi setup menu to clear the currently saved network.
- 2 Reboot the thermostat by removing it from the wall, removing the batteries and letting the thermostat sit until it powers down completely.
- 3 Restore power to the thermostat and snap it onto the sub-base. The thermostat can now be connected to a new Wi-Fi network, if desired.

## 7 System Testing



### **Warning** *Read Before Testing*

- Do not short (or jumper) across terminals on the gas valve or at the heating or cooling system control board to test the thermostat installation. This could damage the thermostat and void the warranty.
- Do not select the COOL mode of operation if the outside temperature is below 50° F (10° C). This could possibly damage the controlled cooling system and may cause personal injury.
- This thermostat includes an automatic compressor protection feature to avoid potential damage to the compressor from short cycling. When testing the system, make sure to take this delay into account.

**NOTE:** *The compressor delay can be bypassed by pressing the reset button on the front of the thermostat. All user settings will be returned to factory default, however all Installer settings will remain as originally programmed in section 6.*

- 1 Press **SYSTEM** until the thermostat is in HEAT mode.
- 2 Using the **▲** and **▼** buttons, raise the set temperature a minimum of 3 degrees above the current room temperature. The system should start within a few seconds. With a gas heating system, the fan may not start right away.
- 3 Press **SYSTEM** until the thermostat is in the OFF mode. Allow the heating system to fully shut down.
- 4 Press **SYSTEM** until the thermostat is in the COOL mode.
- 5 Using the **▲** and **▼** buttons, lower the set temperature a minimum of 3 degrees below the current room temperature. The system should start within a few seconds (unless compressor short cycle protection is active – See note above).
- 6 Press **SYSTEM** until the thermostat is in the OFF mode. Allow the cooling system to fully shut down.
- 7 Press **FAN** until the thermostat is in FAN ON mode. The system fan should start within a few seconds.
- 8 Press **FAN** until the thermostat is in FAN AUTO mode. Allow the system fan to turn off.
- 9 If the thermostat is controlling auxiliary equipment such as a humidifier, adjust the thermostat settings to test these devices.

## Regulatory Statements

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Ce dispositif ne peut causer des interférences ; et
- (2) Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

## **Limited Warranty**

When installed by a professional contractor, this product is backed by a 5 year limited warranty. Limitations apply. For limitations, terms and conditions, you may obtain a full copy of this warranty:

- Visit us online: [www.braeburnonline.com/warranty](http://www.braeburnonline.com/warranty)
- Write us: Braeburn Systems LLC  
2215 Cornell Avenue  
Montgomery, IL 60538



***Store this manual for future reference.***

[www.braeburnonline.com](http://www.braeburnonline.com)

# ***Braeburn®***

Braeburn Systems LLC  
2215 Cornell Avenue • Montgomery, IL 60538  
Technical Assistance: [www.braeburnonline.com](http://www.braeburnonline.com)  
844-BLU-LINK (844-258-5465) (U.S.)  
630-844-1968 (Outside the U.S.)