iDevices®

Welcome To

THERMOSTAT

INSTALLATION GUIDE

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Introduction

From removing your old thermostat, to installing your new iDevices® Thermostat, this easy-to-follow guide will take you through the process, step by step.

If at any time you require assistance, please contact our Customer Experience Team.

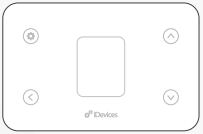
Call: 888.313.7019
Monday – Friday
8am – 8pm EST
Email: Support@iDevicesinc.com
Visit: iDevicesinc.com/Support

Please visit iDevicesinc.com/Compatiblity to see if your HVAC system is compatible.

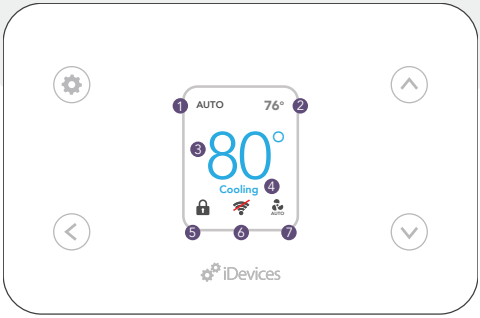
In The Box
- iDevices® Thermostat
- Mounting Hardware

Requires
- Home Wi-Fi® Network
- Free iDevices® Connected App
- 24VAC Common Wire
- Compatible Mobile Device (Visit iDevicesinc.com/Compatibility)

Tools
- Phillips Screwdriver
- Drill With 3/16" Bit



Display
1. System Mode
2. Ambient Temperature
3. Desired Temperature
4. HVAC State
5. Button Lock
6. Connection Status
7. Fan Mode



Before You Start

1. Read through this Installation Guide in its entirety before starting installation of your iDevices® Thermostat or removal of your old thermostat. Incorrect installation can be dangerous and can damage your iDevices® Thermostat and HVAC system. If you're not comfortable performing the installation, contact a local HVAC contractor.
2. Turn the power to your HVAC system and old thermostat OFF!
3. Ensure you do not have electric baseboard heating. The iDevices® Thermostat is not compatible with these systems.
4. Check that your mobile device is compatible with the iDevices® Thermostat at iDevicesinc.com/Compatibility.
5. If this is a new installation, you will need to install the iDevices® Thermostat 4 – 5 feet above the floor, in accordance with applicable building codes. It should be installed in an area with good airflow. Avoid areas behind doors, near corners, heating or cooling vents, heat generating devices, or direct sunlight. This Transmitter must be installed to provide a separation distance of at least 20 cm from all persons

Installation Overview

1. Turn the power to your HVAC system OFF!
2. Remove the faceplate of your old thermostat and photograph the existing wiring configuration.
3. Disconnect your old thermostat's wall plate and secure the wires.
4. Mount your iDevices® Thermostat mounting plate and attach wires to match your system's configuration.
5. Attach your iDevices® Thermostat to the mounting plate.
6. Turn the power back ON.
7. Download the free iDevices® Connected app.
8. Connect your iDevices® Thermostat to your home network and pair it to your iDevices® Connected app.
9. Set up and customize your iDevices® Thermostat within the iDevices® Connected app.

Professional Assistance

Your safety comes first! If you don't feel comfortable installing your iDevices® Thermostat, contact a local HVAC contractor.

Abbreviations

HVAC: Heating, Ventilation, and Air Conditioning system

HP: Heat Pump System. This type of HVAC system uses a compressor with a reversing valve to provide both heating and cooling capability.

HE: Electrically heated central heating system. This system uses an electric heating element along with a fan and ducting. Sometimes used as AUX/Emergency heat with a heat pump system. Electric baseboard heaters are not included in this system type.

HG: Fuel-fired central heating system. This system uses a gas or oil burner along with a fan and ducting, or a hot water baseboard system. Can be used as a standalone heating system or as AUX/ Emergency heat with a heat pump system.

O/B: This option selects the type of reversing valve for heat pump systems. An "O" reversing valve is energized when cooling, and a "B" reversing valve is energized when heating.

Terminal Assignments

For reference, standard wiring assignments for typical HVAC systems are provided below.

Terminal (HP)	Terminal (Non-HP)	Heat Pump System (HP)	Conventional System (Non-HP)
C	C	24VAC common for control circuit and thermostat power input	
L	L	System Monitor	Not used
G	G	Fan	
Y1	Y1	1st stage compressor	1st stage cooling
Y2	Y2	2nd stage compressor	2nd stage cooling
RC	RC	24VAC power supply for cooling side	
RH	RH	24VAC power supply for heating side	
O/B	W1	Changeover valve	1st stage heating
E	W2	Emergency/ AUX heat	2nd stage heating

Installation Details

1. Gather the tools you will need and check that your iDevices® Thermostat came with the necessary components (see page 4).

Warnings And Safety Information

Do not select COOL mode if the outside temperature is below 50°F (10°C). This could damage the cooling system.

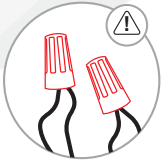
2. Test your existing system. Using your old thermostat, turn on the heating/cooling functions (if applicable) to verify everything is functioning normally.
3. If you have a heat pump system, check the settings on your old thermostat and make a note whether you have an "O" or "B" type reversing valve.
4. Turn the power to your HVAC system OFF at the breaker box or the main switch controlling your heating/cooling system.
5. Confirm that the power is OFF by adjusting the temperature on your old thermostat and waiting to ensure your system doesn't turn on.
6. Carefully remove the faceplate of your old thermostat.
7. Take a picture of your old thermostat's wire arrangement to reference later on.
8. Make note of the current locations of each colored wire by filling out the Wiring Chart below. Note: If you see any of the following wires, please contact our Customer Experience Team to check system compatibility:
   A. W3
   B. H/HUM
   C. A, X or P

Wiring Chart

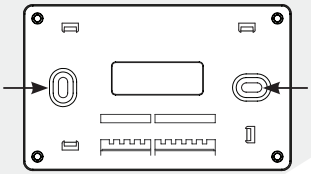
Label	Old Thermostat	Wire Color	Description
HUM	Not Used		Humidifier
NC	Not Used		
W2/E		Brown	2nd stage heat/ AUX/Emergency Heat
W1/ O/B		White/ Orange/ Blue	1st stage heat/HP reversing valves
RH		Red	Power from heat, 24VAC transformer
RC		Red	Power from cooling, 24VAC transformer

Label	Old Thermostat	Wire Color	Description
Y2		Grey	Stage 2 compressor relay
Y1		Yellow	Stage 1 compressor relay
G		Green	Fan relay
L			System monitor
C		Black/Blue	Common of 24VAC transformer

9. Make sure you don't have any 120/240V wires (look for thick black wires with wire nuts.) If you do, the iDevices® Thermostat is not compatible with your system. If you're not sure, call us at 888.313.7019.



10. Record the locations of any jumpers and note whether there is a wire connected to RC and/or RH.
11. Disconnect the wires from the existing mounting plate (ensure the wires don't fall back into the wall by gently wrapping them around a pen). Remove the mounting plate from the wall.
12. Line up the iDevices® Thermostat mounting plate on the wall in the desired location. Check that it is level and the wires are in a position to fit through the hole on the mounting plate. Use a pencil to mark anchor locations on the wall.



13. Set the mounting plate aside. Drill two holes (3/16" diameter) at the locations you have marked.
14. Install the provided anchors into the wall, line up the mounting plate to those holes and install with the provided screws.
15. Head to the Wiring Configuration section, starting on page 18, to find the configuration that matches closest to your old thermostat and note which system you have for later reference.

16. Connect the wires to the mounting plate based on the information you gathered in the chart on pages 11-12, photos you took earlier and wiring configuration you noted for step 15.
17. To prevent electrical shorts and damage to your iDevices® Thermostat or home, ensure all of the wire connections are secure and there are no bare wires in contact with another. Insulate bare wires with electrical tape as necessary. Push any excess wire back into the wall cavity.
18. Attach your iDevices® Thermostat to the mounting plate.
19. Turn your power on at the breaker box or switch that controls your heating/cooling system.
20. Your iDevices® Thermostat will automatically turn on and display the "Connecting Thermostat to Network" screen.
    Note: The Thermostat will stay in the connection mode for 30 minutes before timing out. You can manually enter this mode from the Settings > Setup > Connect menu.

Connecting To The App And Wi-Fi® Network

1. Download and launch the free iDevices® Connected app on your mobile device.
2. From the iDevices® Connected app, add the Thermostat by tapping on the menu bar in the upper right-hand corner.
3. Follow the instructions in the app to complete the connection process.

Configuring The Thermostat For Your HVAC System

1. Refer to Thermostat Settings for your system configuration, starting on page 8.
2. Press the ⚙ button on your iDevices® Thermostat.
3. Use the ◇ buttons to scroll to 'Setup' and press the ⚙ button to select.
4. Use the ◇ buttons to scroll to 'HVAC TYPE' and press the ⚙ button to select.
5. Using the ◇ buttons to scroll and the ⚙ button to select, set the Stage and Type for your system configuration (A through L).
6. If you have a heat pump, set O/B Type to what you recorded earlier.
7. Your iDevices® Thermostat is now configured.

Set In-App Preferences

In your iDevices® Connected app, select the

Thermostat on the home screen. Tap the 'Menu' button in the upper left-hand corner. From here, you can edit the details of your iDevices® Thermostat, organize it into a 'Room' and 'Zone', set schedules and create 'Scenes'.

Warnings And Safety Information

Do not short 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 COOL mode if the outside temperature is below 50°F (10°C). This could damage the controlled cooling system.

Testing Your System

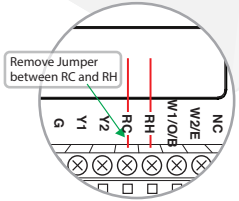
1. Set your iDevices® Thermostat to HEAT mode. Adjust the temperature set point above the ambient temperature in the room, and verify that the heat turns on.
2. Set your iDevices® Thermostat to COOL mode (if outside temperature is above 50°F). Adjust the temperature set point below the ambient temperature in the room, and verify that the cooling turns on.
3. If your system has dual fuel sources (heat pump plus electric or fuel-fired emergency heat), set your iDevices® Thermostat to EMERGENCY HEAT mode. Adjust the temperature set point above the ambient temperature in the room, and verify that the heat turns on.
4. Note: If you have a heat pump or air conditioner, the iDevices® Thermostat is designed to prevent damage to your compressor by waiting 5 minutes between restarts of your air conditioner or heat pump. If you are testing the operation of your air conditioner or heat pump, wait at least 5 minutes after changing the temperature setting for the system to turn on.
5. If all of the available system modes function properly, the test is complete.

Wiring Configurations

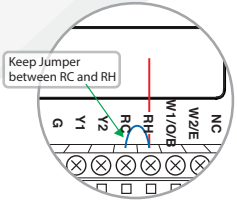
The following section provides the various wiring configurations compatible with the iDevices® Thermostat. Find the configuration that matches closely to your old thermostat and note which system type you have for later reference.

Check your old thermostat to see if it has one or two Red/R wires. If you have two, connect one to RC, one to RH, and remove the jumper. If you have one R wire, connect it to RH and leave the jumper in place.

If your system has two R wires, either RC and RH, or R and RC:



If your system has one R wire:

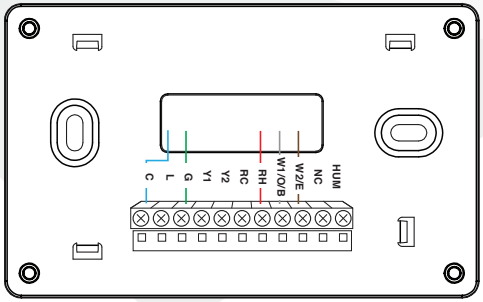


A. Heat Only (One Stage)

Note: G wire is not required for hot-water baseboard or steam radiator systems. If G wire is not connected for a warm air heating system, Fan On mode will not be available.

Thermostat Settings

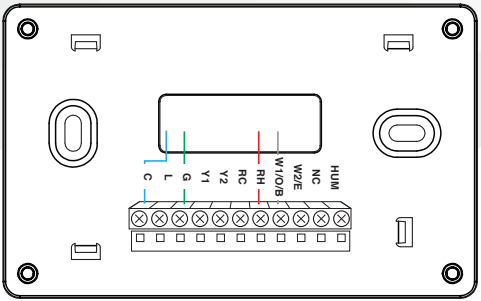
Stage: Non-HP | **Type:** HE for electric, HG for gas/oil systems | Fan wire G optional for HG type



B. Heat Only (Two Stages)

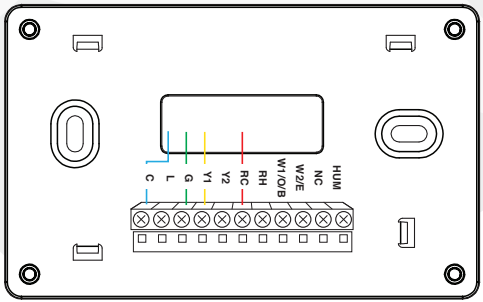
Note: G wire is not required for hot-water baseboard or steam radiator systems. If G wire is not connected for a warm air heating system, Fan On mode will not be available.

Thermostat Settings
Stage: Non-HP | **Type:** HE for electric, HG for gas/oil systems | Fan wire G optional for HG type



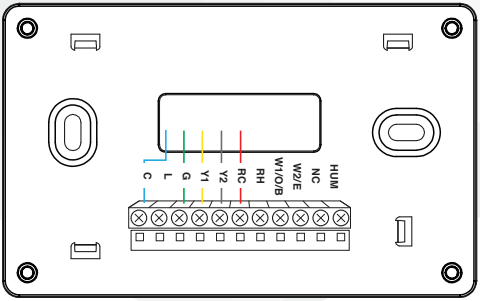
C. Cool Only (One Stage)

Thermostat Settings
Stage: Non-HP | **Type:** HG



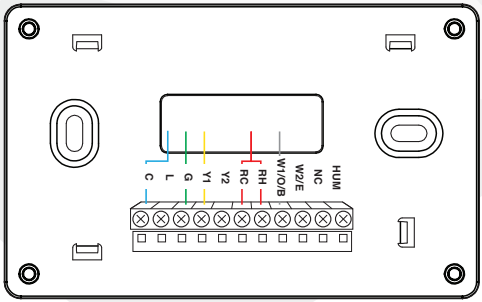
D. Cool Only (Two Stages)

Thermostat Settings
Stage: Non-HP | **Type:** HG



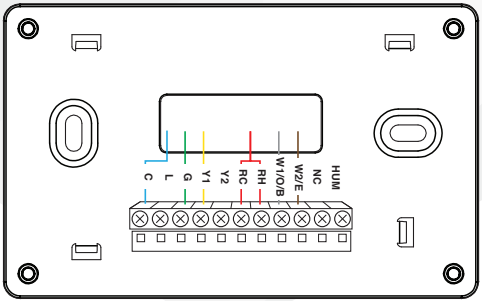
E. Heat (One Stage) and Cool (One Stage)

Thermostat Settings
Stage: Non-HP | **Type:** HE for electric, HG for gas/oil systems



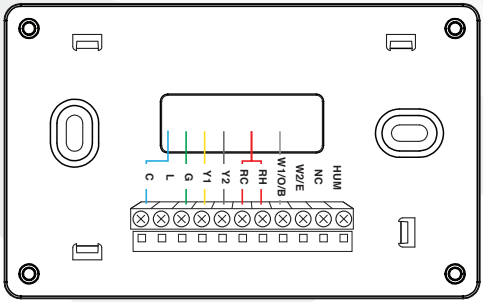
F. Heat (Two Stages) and Cool (One Stage)

Thermostat Settings
Stage: Non-HP | **Type:** HE for electric, HG for gas/oil systems



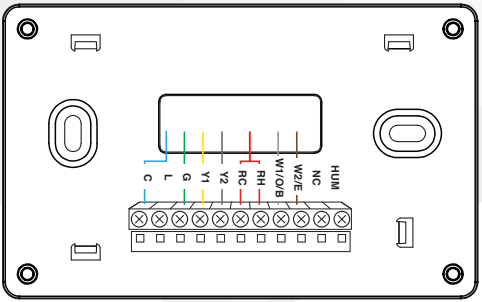
G. Heat (One Stage) and Cool (Two Stages)

Thermostat Settings
Stage: Non-HP | **Type:** HE for electric, HG for gas/oil systems



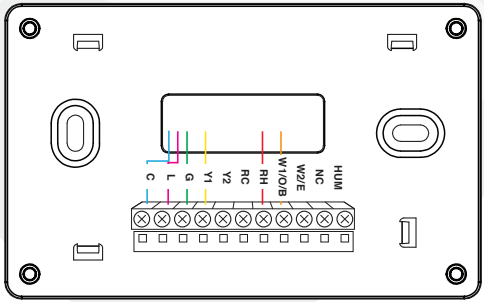
H. Heat (Two Stages) and Cool (Two Stages)

Thermostat Settings
Stage: Non-HP | **Type:** HE for electric, HG for gas/oil systems



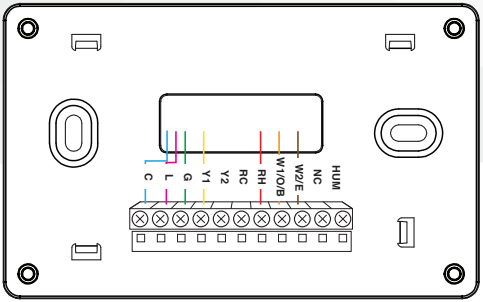
I. Heat Pump (One Stage)

Thermostat Settings
Stage: HP | **Type:** HG | **O/B Type:** According to previous thermostat setting



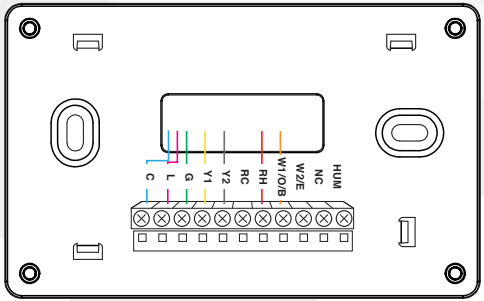
J. Heat Pump (One Stage with AUX/ Emergency Heat)

Thermostat Settings
Stage: HP | **Type:** HE for electric, HG for gas/oil systems | **O/B Type:** According to previous thermostat setting



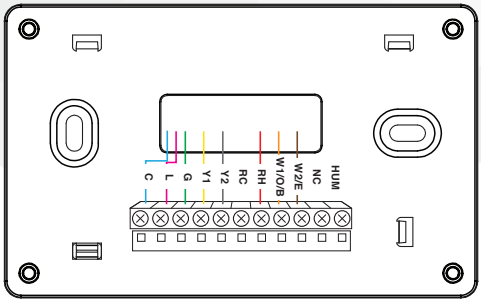
K. Heat Pump (Two Stages)

Thermostat Settings
Stage: HP | **Type:** HG | **O/B Type:** According to previous thermostat setting



L. Heat Pump (Two Stages with AUX/ Emergency Heat)

Thermostat Settings
Stage: HP | **Type:** HE for electric, HG for gas/oil systems | **O/B Type:** According to previous thermostat setting



Troubleshooting & Support

If your Thermostat doesn't connect to your network or app on the first try, hold the reset button on the right side for 3 seconds using a paperclip.

Call or email the iDevices® Customer Experience Team with questions.

- Call: 888.313.7019
  Monday – Friday
  8am – 8pm EST
- Email: Support@iDevicesinc.com
- Visit: iDevicesinc.com/Support

iDevices®

Welcome To

THERMOSTAT

QUICK START GUIDE

In The Box

- iDevices® Thermostat
- Mounting Hardware

Requires

- Home Wi-Fi® Network
- Free iDevices® Connected App
- 24VAC Common Wire
- HomeKit requires an iPhone, iPad or iPod touch with iOS 8.1 or later

Use of the HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

Controlling HomeKit-enabled accessories away from home requires an Apple TV (3rd generation or later) with Apple TV software 7.0 or later and an iPhone, iPad, or iPod touch with iOS 8.1 or later.

At your breaker box, turn the power to your HVAC system off.
Confirm that the power is off by adjusting the temperature on your current thermostat and waiting to ensure your system doesn't turn on.

Visit **iDevicesinc.com/Install** or use the provided manual for full installation instructions.

Once mounted, ensure your device is connected to your home's Wi-Fi® network.

Download and launch the iDevices® Connected app to begin the pairing process. Use the HomeKit™ setup code, presented on the Thermostat display, to complete pairing (example shown above).

XXX-XX-XXX

The iDevices® Customer Experience Team Is Here To Help!

888.313.7019
Monday - Friday
8am - 8pm EST

Email Support@iDevicesinc.com

Visit iDevicesinc.com/Support

For complete compatibility details, visit iDevicesinc.com/Compatibility

For warranty information, please visit iDevicesinc.com/Warranty

Operation Is Subject To The Following Two Conditions:
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 license-exempt RSS standard(s). 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 avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) Cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interference, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

Electrical Specifications:
FCC ID: 2ABDJ-TSTAT1
IC: 11569A-TSTAT1
Wi-Fi® 2.4 GHz 802.11 b/g/n compatible
Model: IDEV0005

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RoHS

Wi Fi CERTIFIED

Your Home

The iDevices® Connected app is your central dashboard for managing your home. Here, you can control other products using HomeKit™ technology as well. Your 'Home' contains all of your connected products, organized into each 'Room.'

Your Zones

If your home has multiple heating and cooling zones, you can identify and control each one through the iDevices® Connected app. For example, you may want to turn down the temperature in your 'Upstairs' or 'Master Bedroom' zone before going to sleep.

Your Scenes

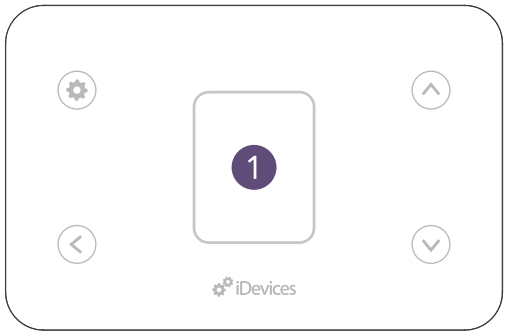
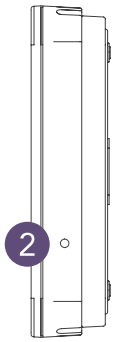
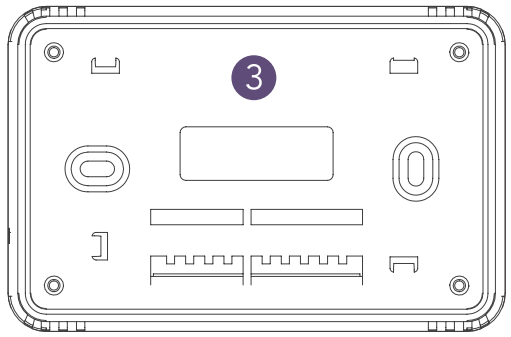
Set up customized 'Scenes' to control multiple products with a single command. For example, "I'm Going To Bed," might shut off your bedroom lights and turn down the temperature upstairs. 'Scenes' can be set to a reccuring schedule or can be on-command actions.

Your Voice

Siri®

During initial setup, the iDevices® Connected app will have you assign names to each Thermostat (or zone) in your home. You'll use this name when speaking to Siri®. For example, "Siri®, turn the temperature downstairs to 72 degrees."

1. The face of your Thermostat has an LCD screen displaying the current temperature. Using the touch controls on the front of the Thermostat, you can set your desired temperature.

2. On the side of your Thermostat, you will find a manual reset button. Pressing this button will reset your schedules and clear all current pairings.

3. The mounting plate allows for easy installation. Once mounted to the wall, the Thermostat unit will snap into place.