GE Lighting
A SAVANT COMPANY

GE Smart Thermostat, Works with Savant (SST-W300)

Deployment Guide

Document Number:	009-2377-00
Document Date:	August 2023
Document Supports:	SST-W300

This guide assists an installer/integrator through the process needed to deploy the SST-W300 GE Smart Thermostat into a Savant Pro System. Before starting, refer to the thermostat's Quick Reference Guide for technical specifications, mounting instructions, and basic wiring.

Each of the items listed below is covered in this document.

- Advanced HVAC wiring diagrams.
- Power Injector wiring (if needed).
- How to add/provision the thermostat to the local Wi-Fi network.
- How to configure the thermostat using the Savant Power & Light App.
- How to add the thermostat to a Blueprint configuration and upload file to the Savant Host.
- How to configure the thermostat when there is no Wi-Fi access
- How to reset the thermostat and clear the network configuration.
- Basic thermostat front panel user Interface procedures.

45 Perseverance Way, Hyannis MA 02601
savant.com | 508.683.2500

Contents

To access links to the topics within this document, click the corresponding entry in the table of contents below.

1. Before You Begin 4
2. Deployment Steps 4
3. Related Documentation 4
4. Wiring 5
5. Provision Thermostat to Wi-Fi 10
6. Program the HVAC system type into the Thermostat 11
7. Thermostat Settings 12
8. Add Thermostat to Blueprint 14
9. Save Configuration, Generate Services, and Upload File 15
10. Savant App 15
11. Front Panel Buttons and status Indicators 16
12. Additional Information and Troubleshooting Tips 17

Appendix A: HVAC Data Table Basics 18

Appendix B: Clear Network and Configuration from Thermostat 19

Appendix C: Configure Thermostat with No Wi-Fi available 20

Important Safety Information - Read First

Before installing, configuring, or operating any equipment and other, Savant recommends that each dealer, integrator, or installer, access and read all the relevant technical documentation. Savant technical documentation can be located by visiting the Savant Community. Vendor documentation is supplied with the equipment.

Read and understand all safety instructions, cautions, and warnings in this document and the labels on the equipment.

Safety Classifications In this Document

NOTE:	Provides specific information for installing, configuring, and operating the equipment.
⚠ IMPORTANT!	Provides specific information that is critical to installing, configuring, and operating the equipment.
⚠ CAUTION!	Provides specific information for avoiding situations that may cause damage to equipment.
⚠ WARNING!	Provides specific information for avoiding situations that may cause physical danger to the installer, end-user, etc.

Electric Shock Prevention

⚡ **ELECTRIC SHOCK!** The source power poses an electric shock hazard that has the potential to cause serious injury to installers and end users.

⚡ **ELECTRICAL DISCONNECT**: The source power outlet and power supply input power sockets should be easily accessible to disconnect power in the event of an electrical hazard or malfunction.

Weight Injury Prevention

⚠ **WEIGHT INJURY!** Installing some of the Savant equipment requires two people to ensure safe handling during installation. Failure to use two installers may result in injury.

Safety Statements

All safety instructions below should be read, understood, and applied under all relevant circumstances when working with this equipment.

1. Follow all input power ratings marked on product near power input!
2. If fuse replacement is required, replacement fuse should match fuse rating marked on the product.
3. Do not use equipment near water.
4. Clean only with dry cloth.
5. Do not block any ventilation openings or install near any heat sources such as heat registers, stoves, radiators, amplifiers, etc.
6. Refer all servicing to qualified service personnel. Servicing is required when any part of the apparatus has been damaged in any way, or fails to operate normally for any reason.
7. Use only attachments/accessories specified by the manufacturer, following all relevant safety precautions for any such attachments/accessories.
8. For applicable equipment, use the included power cord with the grounding prong intact to insure proper grounding of the device.
9. If the provided plug does not fit the desired outlet, contact a licensed electrician to replace the obsolete outlet.
10. Protect any power cord from being walked on, pinched, strained, or otherwise potentially damaged, especially at the outlet or device connections.
11. Disconnect any outlet powered apparatus from its power source during lightning storms or when unused for long periods of time.
12. To completely disconnect equipment from AC mains power, disconnect the power supply cord plug from the AC receptacle on the device.
13. For any hardwired or fixed in-wall apparatus, carefully follow all wiring diagrams and instructions. All electrical wiring and servicing should be performed by a properly licensed electrician.

1. Before You Begin

Read through this document in its entirety before attempting any of the procedures in this document. Ensure each item listed below is available or previously completed. Add a check to each item or process as they are satisfied.

- GE Smart Thermostat, Works with Savant (SST-W300) ☐
- GE Smart Thermostat, Works with Savant Power Injector Kit (If no C wire is available) ☐
- The SDE (MacBook) and Savant Host is running da Vinci 10.4 or higher ☐
- Savant Power & Light App ☐
- An HVAC system installed and the appropriate wires are run to the thermostat's location(s) ☐
- Local network (LAN) meeting Savant requirements. See the **Savant Device Networking Guidelines** article on the Savant Community ☐

2. Deployment Steps

To successfully deploy the thermostat, follow the steps below. Use this list to check off items as they are completed.

1. Wire the thermostat. See the Wiring Diagrams section ☐
2. Provision the thermostat to the local Wi-Fi network. See the Provision Thermostat to Wi-Fi section ☐
3. Configure thermostat using the Savant Power & Light App. See the Program the HVAC system type into the Thermostat section ☐
4. View or Update thermostat settings from Savant Power & Light App. See the Thermostat Settings section ☐
5. Add thermostat into a RacePoint Blueprint configuration. See the Add Thermostat to Blueprint section ☐
6. Upload Configuration to the Savant Host. See the Save Configuration, Generate Services, and Upload File section ☐

3. Related Documentation

This document outlines all basic deployment steps required to add a **GE Smart Thermostat, Works with Savant (SST-W300)** to a Savant Pro system. To provide the best possible user experience, Savant recommends reviewing the related documents listed below in addition to this Deployment Guide:

- GE Smart Thermostat, Works with Savant - Quick Reference Guide - Provides various technical specifications, regulatory information, feature descriptions, mounting procedures, and basic wiring connection information. When complete, use the **GE Smart Thermostat, Works with Savant (SST-W300) Deployment Guide** (this document) to finish configuring and adding thenthermostat to a Savant Pro System.
- **Pro App HVAC Service User Guide** - Once added to a Savant system, this guide contains the information needed to work in the HVAC Service in the Savant Pro App.
- **Savant Power System Deployment Guide** - This guide covers all aspects of the Savant Power & Light App.

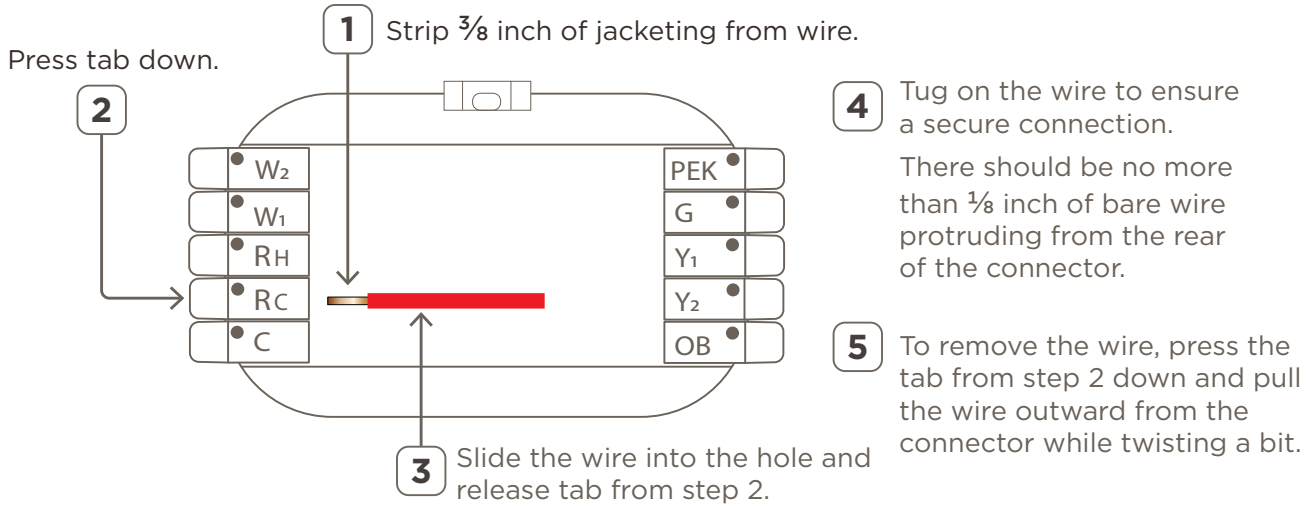
4. Wiring

The diagrams on the next few pages cover most wiring scenarios. The diagrams should help the installer/integrator when making the connections or when troubleshooting a problem with the HVAC system.

IMPORTANT! In HVAC systems, the wire's color does not represent any standard. The diagrams below cover the most common colors used to denote the various signals. Use the reference designators on the thermostat and in the HVAC system and not the colors when making the connections.

Installing or Removing wire from the Thermostat

Before making any connections to the thermostat, read the five steps below on how to safely install or remove a wire from the connector in the thermostat.

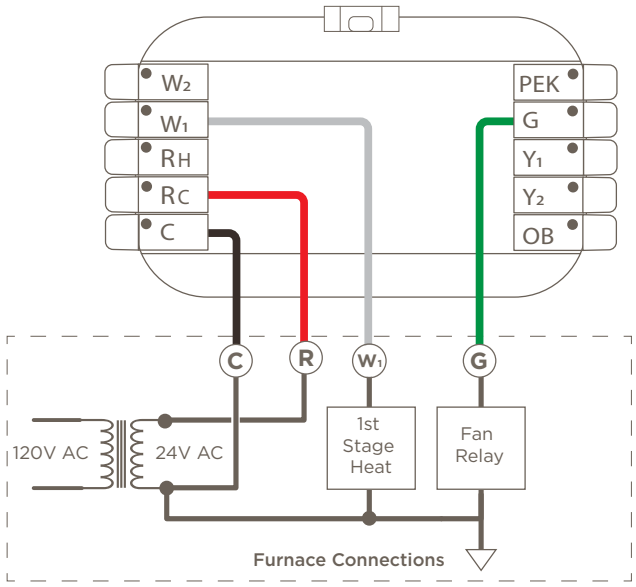


4 Tug on the wire to ensure a secure connection.

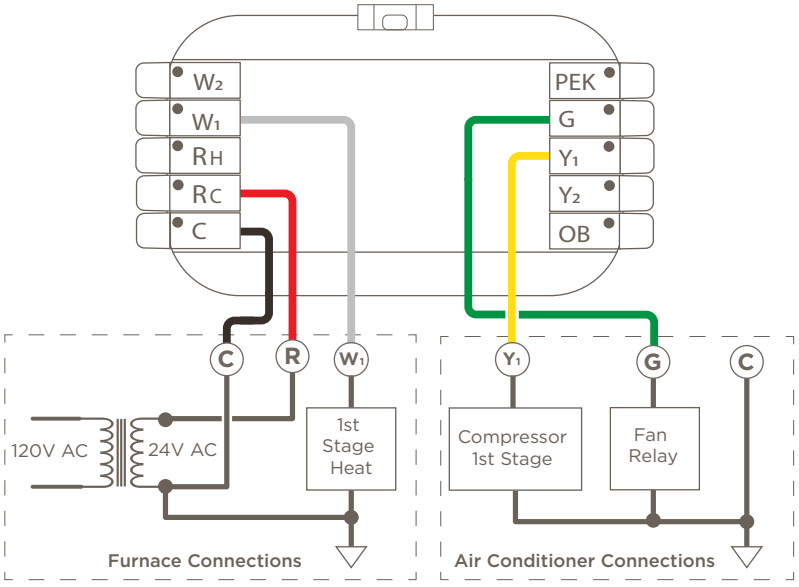
There should be no more than ⅛ inch of bare wire protruding from the rear of the connector.

5 To remove the wire, press the tab from step 2 down and pull the wire outward from the connector while twisting a bit.

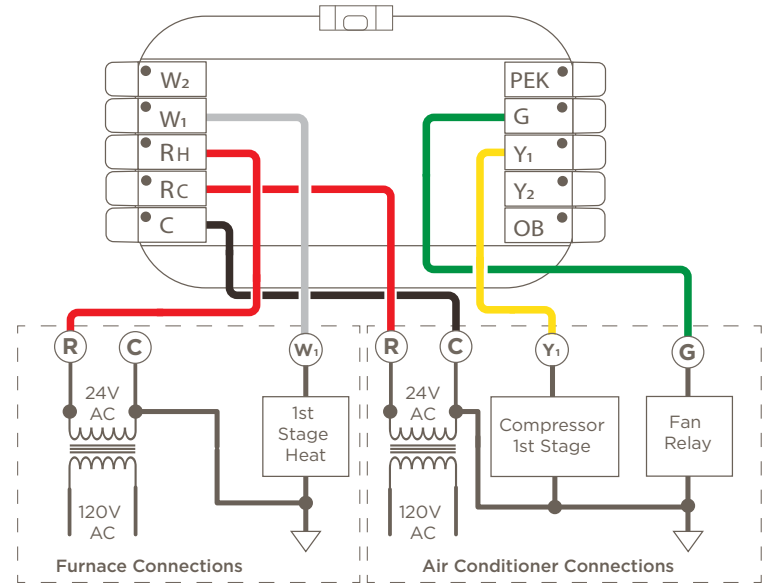
1 Stage Heat - Gas or Electric



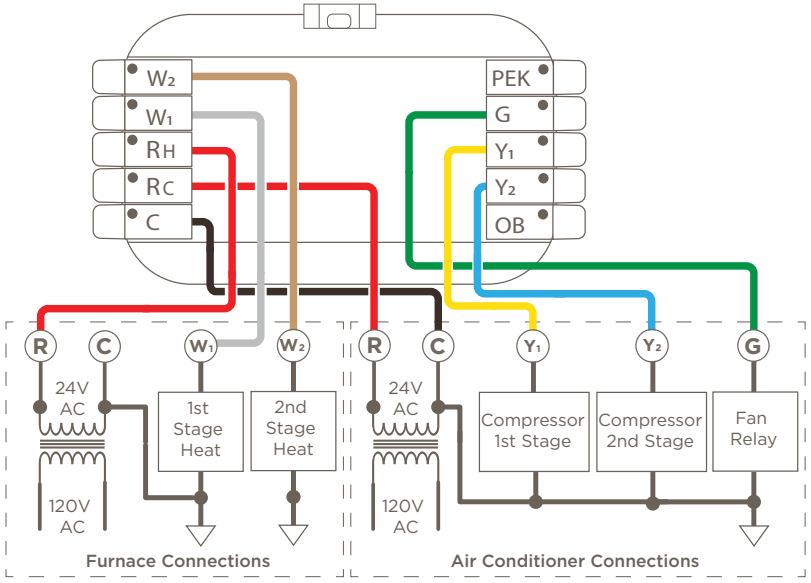
1 Stage Heat, 1 Stage Cool



1 Stage Heat, 1 Stage Cool, Separate Power Sources

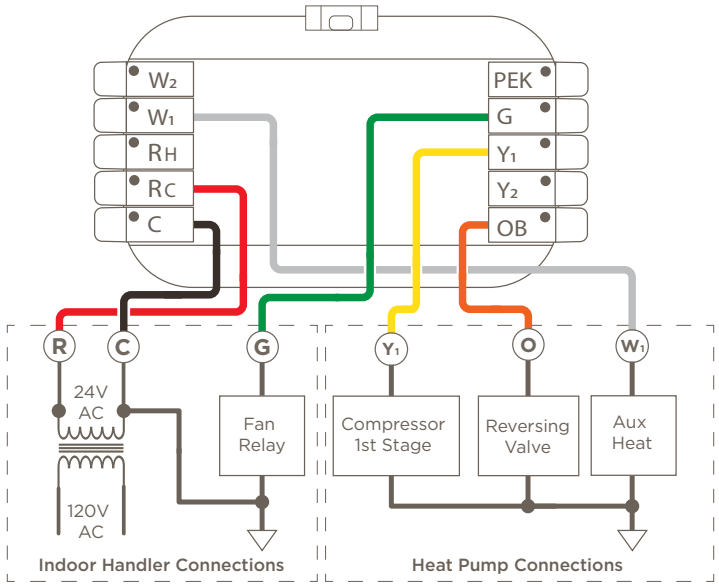


2 Stage Heat, 2 Stage Cool, Separate Power Sources

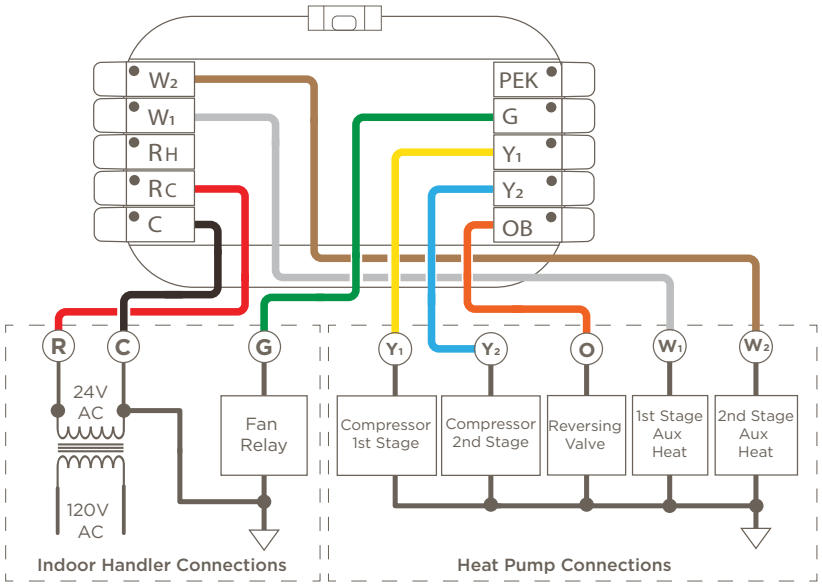


HELPFUL! In both diagrams above, the power source from the cooling system powers the thermostat.

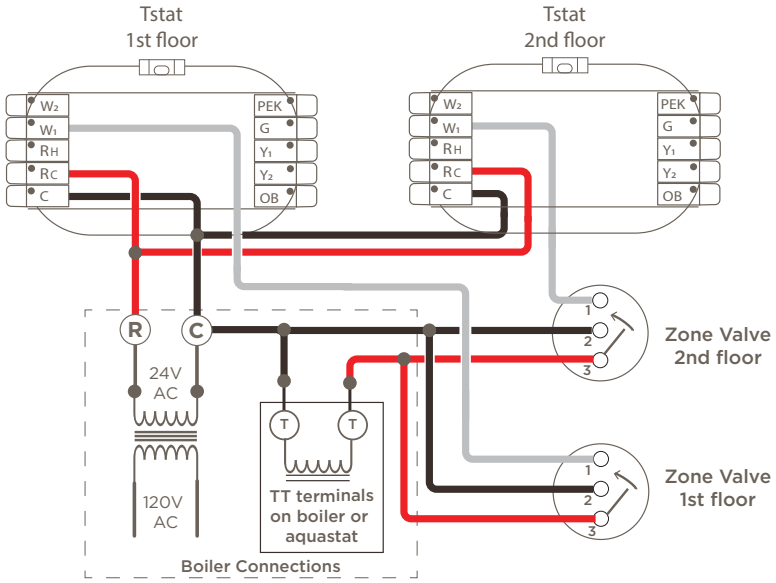
Heat Pump, One Stage Cool w/Aux Heat



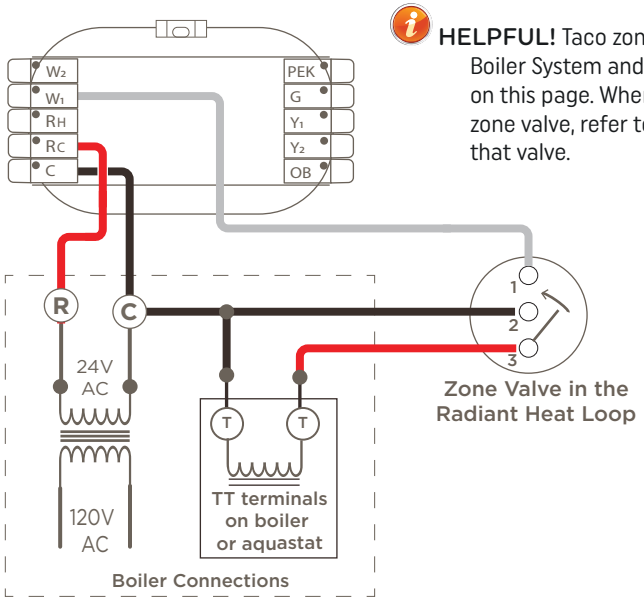
Heat Pump, Two Stage Heat, Two Stage Cool w/Aux Heat



1 Stage Heat - Boiler System

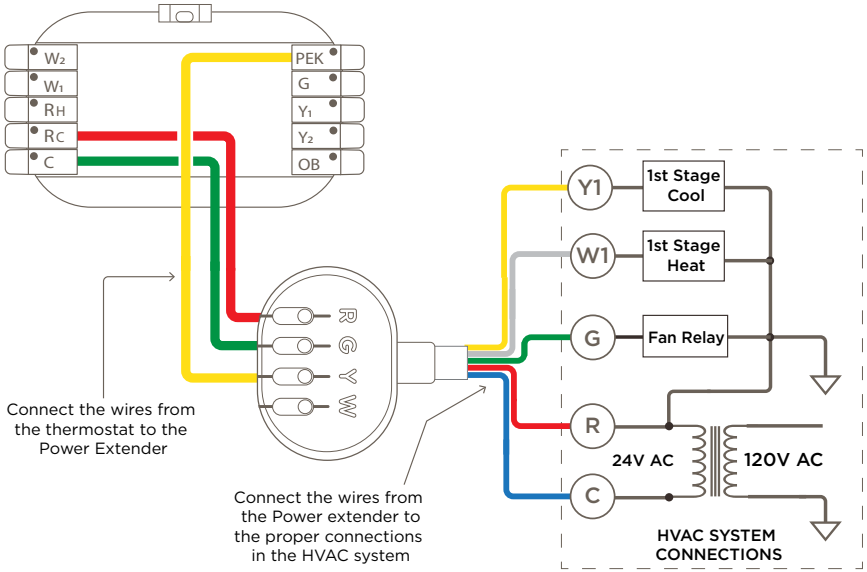


Radiant Heat



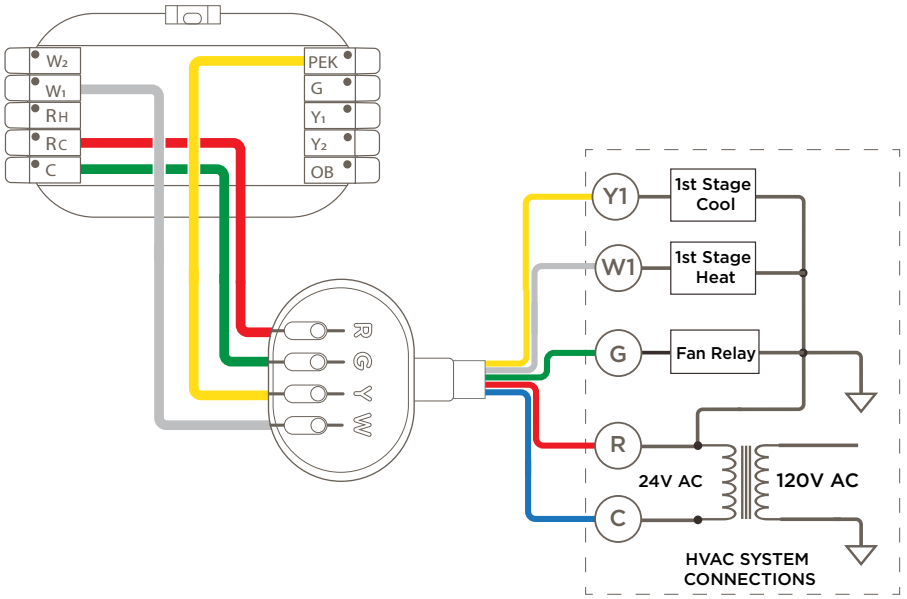
HELPFUL! Taco zone valves were used in the Boiler System and Radiant Heat diagrams on this page. When wiring a different type of zone valve, refer to the documentation for that valve.

Power Extender Kit (PEK) with 3 Wires



- On systems that contain only three wires
  - The G connection on the Power Extender Kit (PEK) becomes the common wire.
  - The PEK connection on the Power Extender Kit (PEK) controls stage 1 heat, 1st stage cool, and the fan if there is a fan in the system.
  - The R connection on the Power Extender supplies the 24V AC to the thermostat.
- If the existing HVAC system is a boiler as shown in the diagram on the previous page, a separate C wire must be run. The Power Extender Kit is not supported on Boiler systems.
- The Power Extender Kit is typically installed close to the HVAC system. There is a magnet on the back of the PEK where it can be stuck to a metal plate on the HVAC system for mounting.

Power Extender Kit (PEK) with 4 Wires



- On systems that contain four wires.
  - The G connection on the Power Extender Kit (PEK) becomes the common wire.
  - The PEK connection on the Power Extender Kit (PEK) controls 1st stage cool and the fan if there is a fan in the system.
  - The W connection controls 1st stage heat.
  - The R connection on the Power Extender Kit supplies the 24V AC to the thermostat.
- If the existing HVAC system is a boiler as shown in the diagram on the previous page, a separate C wire must be run. The Power Extender (PEK) is not supported on Boiler systems.
- The Power Extender Kit is typically installed close to the HVAC system. There is a magnet on the back of the PEK where it can be stuck to a metal plate on the HVAC system for mounting.

Wire Designation Descriptions

There is no direct standard when designating wires for thermostats. A description of each of the designators stamped on the thermostat's mounting plate is shown below.

Designators - Power	
RC	Wire the 24V AC transformer from the HVAC system to the RC terminal.
RH	When there are separate heating and cooling HVAC systems with a separate power source for each, – Connect the hot wire of the transformer from the heating system to RH. – Connect the hot wire from the cooling system to RC.
C	Connect the common or C wire to the common connection in the HVAC system's 24V AC power source.

Designators - Signaling	
OB	In a heat pump system, connect to the changeover/reversing valve connection (O).
G	In a standard HVAC system, connect to the fan terminal.
Y2	In a standard HVAC system, connect to the 2nd stage cooling terminal.
	In a heat pump type system, connect to the 2nd stage cooling terminal on the compressor.
Y1	In a standard HVAC system, connect to the 1st stage cooling terminal.
	In a heat pump type system, connect to the terminal on the compressor.
W2	In a standard HVAC system, connect to the 2nd stage heating terminal.
W1	In a standard HVAC system, connect to the 1st stage heating terminal.
	In a heat pump system, connect to terminal on the heating strip.

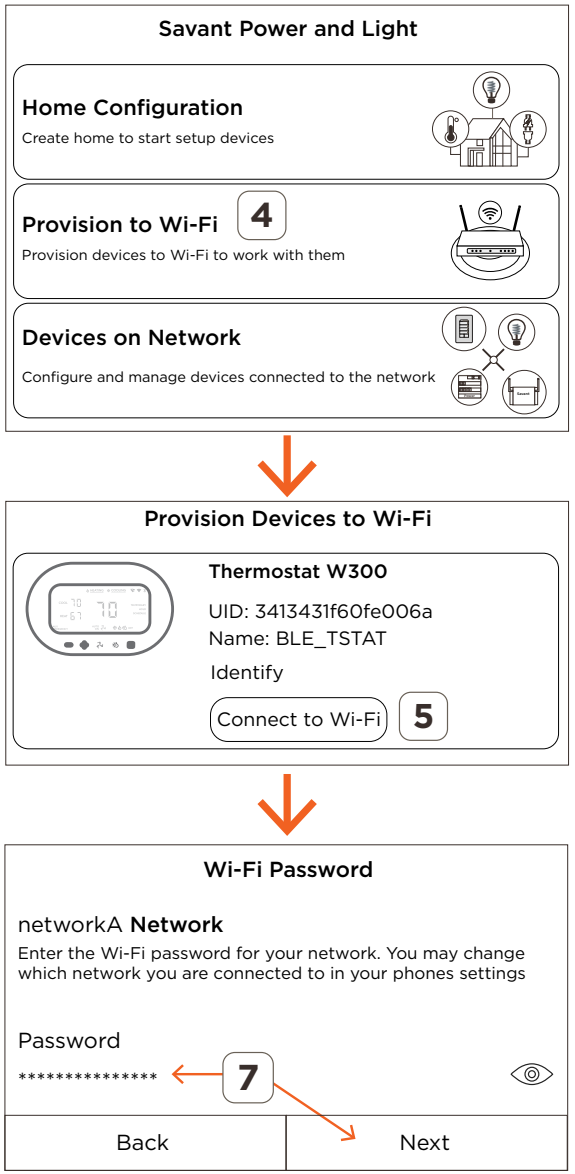
5. Provision Thermostat to Wi-Fi

Before the thermostat can be added to a Savant system or be configured using the Savant Power & Light App, it must be provisioned to a 2.4ghz Wi-Fi local area network. Follow the instructions below to provision a thermostat.

1. Using your iOS or Android mobile device, go to either the Apple or the Google Play store and download the Savant Power & Light App.

HELPFUL! This procedure uses an iOS to describe the provisioning process. If using an Android device, the images may be slightly different but the process is the same.

2. Create an account and log into the app.
3. Enable Bluetooth on the mobile device. Bluetooth is typically enabled from the Settings menu.
4. Select **Provision to Wi-Fi** from the Savant Power and Light screen.
5. Locate the Thermostat W300 from the list of Bluetooth found devices and select the **Connect to Wi-Fi** button for that device.
6. Read the **Preparing for Wi-Fi** screen that appears (not shown in image). Add the mobile device to the local Wi-Fi network if not already done so. Select **Next** once the mobile device is communicating with local Wi-Fi.
7. Enter the password to the local Wi-Fi network and select **Next**.
8. A **Success** dialog box will open when connected. Select the **OK** button.
9. The SST-W300 thermostat will now display a solid Wi-Fi icon on the top right side of the screen. This icon indicates the thermostat is now connected to Wi-Fi.
10. Follow steps 4 - 9 to provision any additional thermostats to the Wi-Fi network.
11. When complete, **Exit** out of the **Provision Devices To Wi-Fi** screen.



6. Program the HVAC system type into the Thermostat

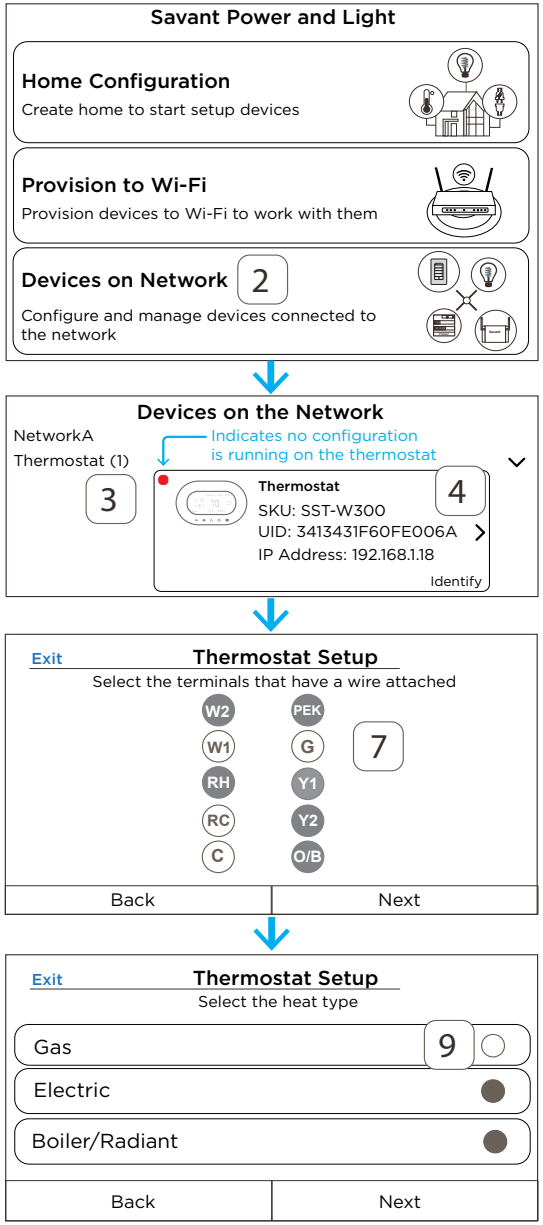
The instructions below configure the type of HVAC system the thermostat will control as well as naming the thermostat must get sent to and configured in the thermostat. To do this, use the Savant Power & Light App to create a configuration and upload it to the thermostat. The instructions below describe this process.

1. Open the Savant Power & Light App.
2. From the Savant Power & Light screen, select the **Devices on Network** field. The app will then search and locate all supported devices that are communicating with the local Wi-Fi network.
3. Select the **Thermostat (x)** field to open a list of all the supported thermostats connected to the local Wi-Fi.

HELPFUL! In the thermostat icon that opens, a RED dot in the top left corner indicates the thermostat is not configured. Continue with the instructions below to set up the tstat to control the installed HVAC system.

4. Select the Thermostat icon to start the configuration process.
5. Read the Thermostat Setup screen that opens and remove the thermostat from its mounting plate (not shown in image)
6. Looking at the wires connected to the mounting plate, note on a paper which reference designators have a wire installed. It's also recommended that a photo of the mounting plate that shows the installed wires be taken for reference. Select **Next**.
7. From the app, select each terminal that was noted from step 6 above. The terminal will highlight as its selected. In this process, Rc, C, W1, and C were chosen. Select **Next.**
8. Read the Caution! screen and select **Yes** if the selections made from step 7 are correct (step not shown in diagram).
9. Select the type of HVAC system installed. Select **Next**.
10. Read the next screen and re-install the thermostat onto its mounting plate. Allow 10 seconds for the thermostat to boot. Select **Next**.

The configuration created is then uploaded to the thermostat, and the red dot referenced in the HELPFUL note above disappears. The thermostat is now configured and ready to control the installed HVAC system.

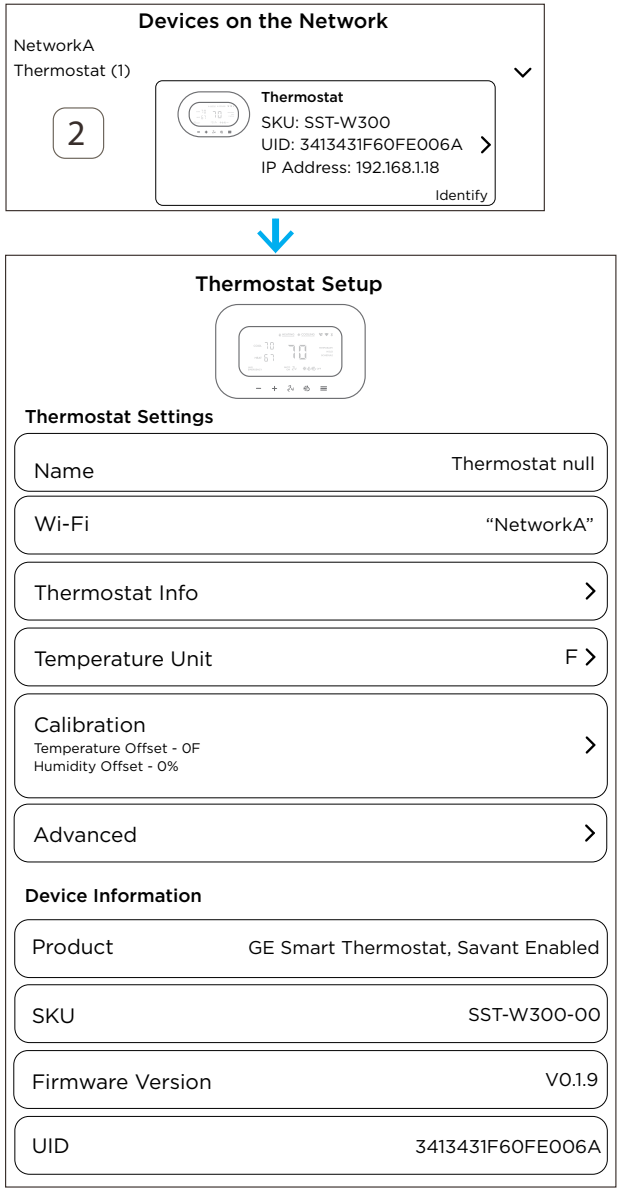


7. Thermostat Settings

With a configuration running on the thermostat, other information such as naming the thermostat, setting the temperature units, and calibrating the thermostat can be set. Use the information when setting the various fields in the Thermostat screen.

1. From the **Devices on Network** screen select the thermostat field for the thermostat being modified (see previous section for instructions on how to navigate to the Devices on Network screen.)
2. Select the thermostat icon to open the **Thermostat Settings** screen.
3. Use the descriptions below when making adjustments to these screens.

Field	Description
Name	Select the field and enter a name that identifies the thermostat. An example would be "1st floor tstat"
Wi-Fi	The Wi-Fi network the thermostat is connected to is displayed. **Note:** Only 2.4 Ghz networks are supported.
Thermostat Info	Select this field to open the **Thermostat Info** screen. In addition to the SKU and Firmware version, this screen offers information about how the thermostat is configured. Use the fields on this page when troubleshooting a problem or to simply see how the thermostat is configured.
Temperature Unit	Select to open the **Temperature Unit** screen and update the temperature format to either Fahrenheit or Celsius.
Calibration	When the temperature or humidity sensor is not reading the exact temperature, a correction offset of +/- 6 can be added to the reading displayed on the thermostat's front panel. To add or subtract an offset, do the following: 1. Select the Calibration field. 2. Using the slider icon, set the number to add or subtract from the temperature or humidity reading shown on the LCD display. 3. Select **Done**. After a few seconds, the Calibration screen will close and the temperature or humidity displayed on the thermostat updates with the new offset value. **HELPFUL!** For easy reference, the current Temperature Offset and Humidity Offset settings are displayed. See the image to the right.



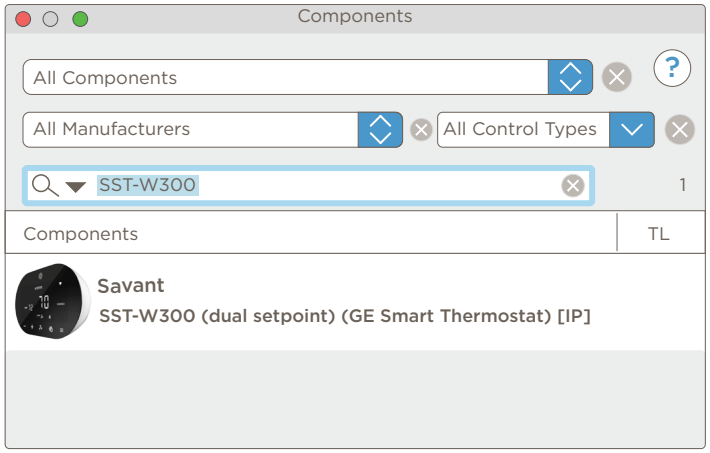
Advanced	Use the Advanced screen to update the configuration running on the thermostat. **HELPFUL!** When making changes to any fields in the Advanced menu, the Done icon will change to Blue when a change to a field is made. Selecting the **Done** icon sends the updates to the thermostat.	
	System Class	The System Class set on the thermostat is displayed. The two types are **Conventional** or **Heat Pump**.
	System Type	Displays the System Type set on the thermostat. To update the type of HVAC system: 1. Select the **System Type** field. 2. Select the type of HVAC system installed from the list supported systems. 3. Select the **Done** icon at the top right of the screen. After a few seconds, the screen closes and the configuration on the thermostat is updated.
	Power Wires	Displays which terminal the power wires are connected to. This is set up during the initial setup. To update: 1. Select the **Power Wires** field. 2. Select either **RC** or **RC and RH**. 3. Select the **Done** icon at the top right of the screen. After a few seconds, the screen closes and the configuration on the thermostat is updated. **HELPFUL!** The RC connection is needed to power the thermostat and supply 24V AC to relays Y1, Y2, G, and O/B. Connection RH supplies 24V AC to W1 and W2. However, if there is only an R wire, the user can connect the R wire to either RC and choose the right configuration in the Savant Power and Light App and RC will connect to RH internally.
	Furnace Type	Displays the furnace type configured on the thermostat. To change the furnace type, do the following: 1. Select the **Furnace Type** field. 2. Select the furnace type the thermostat will control. 3. Select the **Done** icon at the top right of the screen. After a few seconds, the screen closes and the configuration on the thermostat is updated.
	Thresholds	**Auto Mode Deadband** - Sets the differential between the heat and cool set point. **Example:** • Auto Mode Deadband = 4°. If the Heat setpoint is set to 68° then the Cool set point can't be set below 72°
		Thresholds or Stage Differentials - Programmable values that are extensions of the heating and cooling set points.
		Heat Stage 1 On - Sets the number of degrees below the heating set point that the stage 1 heating is engaged. Example: • Heat Set Point = 60°, Heat Stage 1 On = 2° • Stage 1 Heat is engaged when the room temperature reaches 58°
		Cool Stage 1 On - Sets the number of degrees above the cool set point that the stage 1 cooling is engaged. Example: • Cool Set Point = 70°, Heat Stage 1 On = 2° • Stage 1 Heat is engaged when the room temperature reaches 72°

8. Add Thermostat to Blueprint

The steps below describe how to add the thermostat's profile into Blueprint and then make the proper connections. There is both a single and dual set point profile available. Ensure that the correct profile is selected.

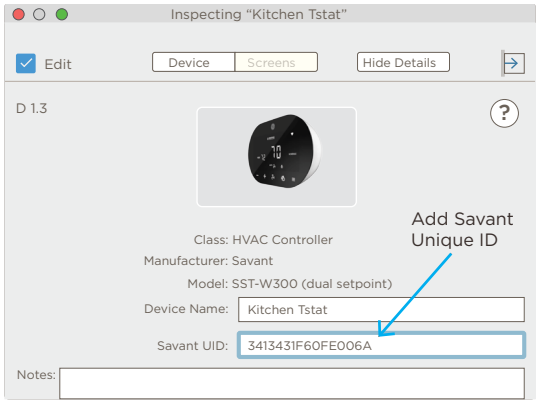
Add profile to Blueprint

1. Open the current Blueprint configuration for the site.
2. Select the Show Library icon from the Blueprint toolbar to open the Components library.
3. Enter **SST-W300** into the Search bar to locate the thermostat.
4. Drag and drop the SST-W300 thermostat profile into either a User Zone or Shared Equipment Zone. Where the thermostat is added determines which rooms it will be available in the Savant App.
5. Enter a unique name into the dialog box that opens. The name entered should identify the thermostat (image not shown).
6. Select the **Create** button to finish adding the thermostat (image not shown).



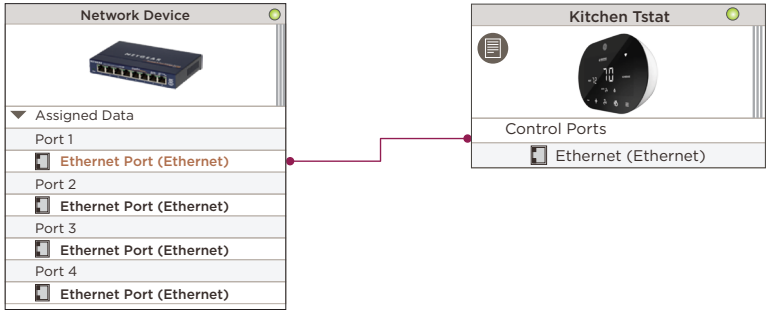
Add UID to Inspector

1. Drag the thermostat from the component list and into the layout window.
2. Close the component library (**Hide Library** from the Blueprint toolbar).
3. Double click the thermostat and open its inspector.
4. Enter the 16-character UID into the Savant UID field (see image to the right). The UID is available from one of the following:
   - Printed on a sticker on the shipping box for the thermostat.
   - Printed in the **Devices on Network** screen in the Savant Power & Light App (Devices On Network > Select Thermostat (x).
   - In the rpmEmbScanner app that is accessed through the Savant Application Manager (SAM > rpmEmbScanner). The UID can be copy and paste from this app.
5. Close the Inspector.



Make Blueprint Connections

1. Right-click on the Ethernet port on the thermostat and make the connection to a network switch.
2. Generate Services for the configuration by selecting the generate services icon from the main option menu and confirm that a valid SSTW300 HVAC service is realized in the Services window that opens
3. For information on programming or making changes to the HVAC Data table, refer to Appendix A: HVAC Data table Basics section later in this document. Make any modifications before proceeding to the next section.



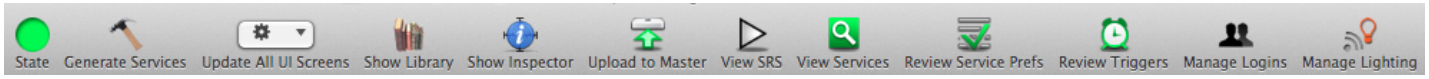
9. Save Configuration, Generate Services, and Upload File

With the thermostat profile added to the Blueprint configuration complete, the file can now be uploaded to the Savant Host.

1. Select the **Generate Services** icon from the Blueprint toolbar to update the realized services with the configuration changes. The State Icon will change to Green, indicating that the new services added got updated.

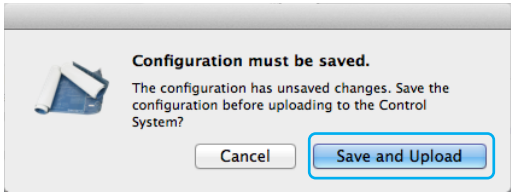
   ⚠ **IMPORTANT NOTE:** Once services are generated, the HVAC Settings menu under **Tools > Settings > HVAC Settings** is available to configure. It is important that the type of temperature unit in this menu matches the type set in the Savant Power & Light app.

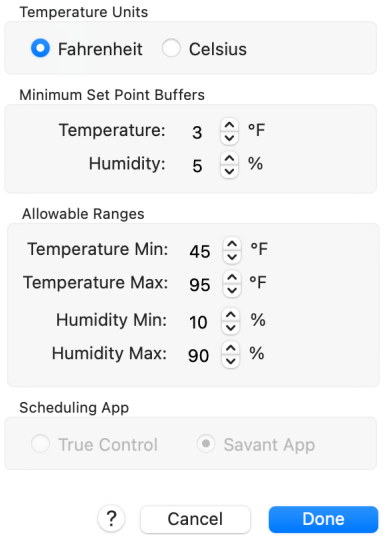
2. Select **Upload to Master** icon and follow the prompts to upload the file to the Savant Host.



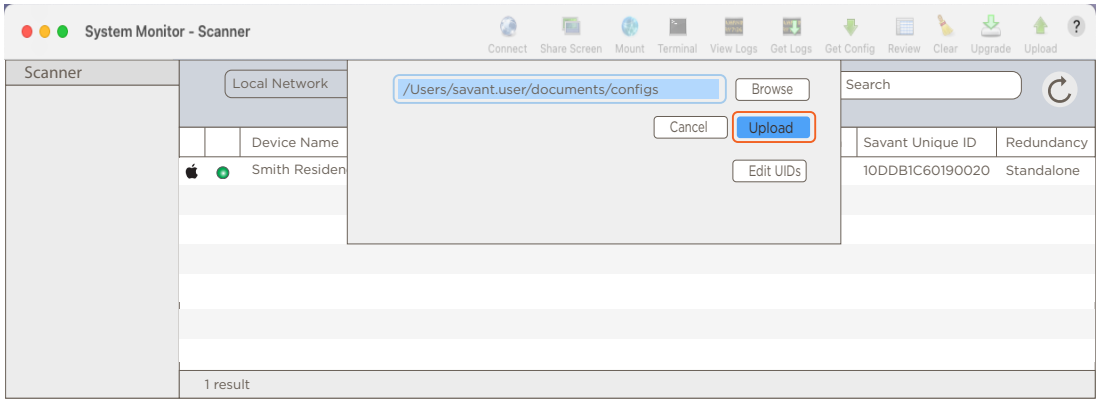
Select the Upload to Master Icon

3. In the **Configuration must be saved** dialog box that opens, read the dialog and select **Save and Upload**.





4. The System Monitor application will open, as shown below. Verify the path to the Blueprint configuration file is correct. If not, select Browse and locate the file on the local drive (SDE/MacBook). Select **Upload** when satisfied, and the configuration will upload to the Host.

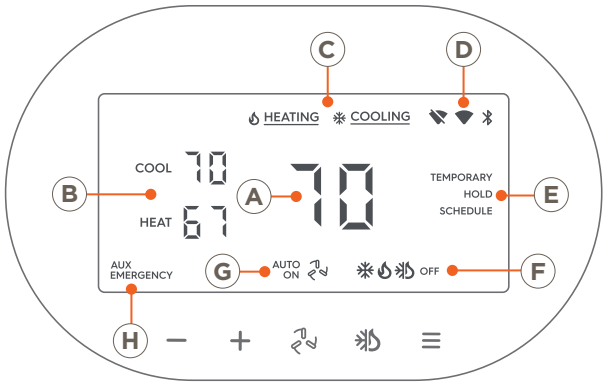


10. Savant App

Once the completed configuration is uploaded to the Savant Host, the Savant App will now be able to control the SST-W300 remotely. The HVAC Service User Guide available on the Savant Customer Community contains information on how to navigate the HVAC Service. Refer to this guide to get more familiar with the HVAC Service.

11. Front Panel Buttons and status Indicators

The thermostat can now be controlled using the Savant App. The information below describes how to navigate the thermostat's on-screen functions. The first section below describes each of the icons on the front panel and the sections to follow give basic examples on how to navigate through these functions.



	Description
A	Room temperature.
B	Heating and cooling set points. – Only the heat or cool set point is visible when configured as a single set point thermostat. – Both heat and cool set points are visible when configured as a dual set thermostat. – The differential between the heat and cool set point is modified using the **Auto Mode Deadband** setting from the **Advanced** fields in the Savant Power & Light App. – The **+** and **-** buttons raise and lower the heat and cool set points.
C	Icons indicate whether the thermostat is calling for heat or calling for cool.
D	**Bluetooth** - The thermostat is in provisioning mode and not connected to the local Wi-Fi network. Use the Savant Power & Light App to add to Wi-Fi. **Wi-Fi** - The thermostat is connected and communicating with Wi-Fi. **No Wi-Fi** - The thermostat was provisioned to Wi-Fi but can't currently communicate with that network.
E	**Hold** - The thermostat will remain at the temperature set and ignore any schedules configured. The Hold function can be disabled by selecting the ☰ icon on the thermostat's front panel until the Hold text disappears or the **Clear Hold** function in the Savant App is selected. **Temporary** - The temperature was adjusted and will remain at that temperature until the Temporary hold function expires. Example: When the Hold function in the Savant App is set to 1 hour, the temperature will remain at the temperature set for 1 hour and then return to its previous temperature or return the temperature set in the schedule. Users can also enable and disable the hold function through the ☰ icon **Schedule** - The thermostat is following the schedule set in the Savant App.
F	Indicates if the thermostat is configured to function as a single or dual setpoint. The single or dual set point function is set using the Savant Power & Light App during the initial configuration. Still, it can be changed using the Savant Power & Light App or by selecting the icon on the thermostat's front panel. - Thermostat set as dual set point. - Thermostat set as single set point for heating. - Thermostat set as single set point for cooling.
G	**Auto** - Fan is set to auto and the thermostat determines when to switch the fan on and off during the calls for heating or cooling. **On** - Select On to manually turn the fan on. **HELPFUL NOTES!:** – HVAC systems set to electric switch the fan on for heating and cooling calls. – Systems set to gas switch the fan on for cooling and forced heat calls but not for radiant or boiler heat calls.

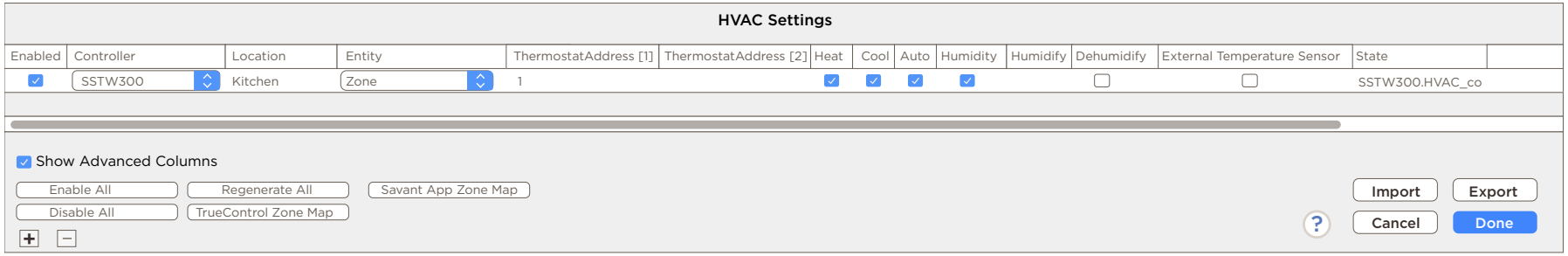
12. Additional Information and Troubleshooting Tips

Compatibility	
Conventional HVAC systems	• Up to 2 stages of heat and 2 stages of cool are supported. • Single speed fan control only. Variable speed fans are not supported. • The PEK power injector can be used if a C wire is not available.
Boilers	• Up to 2 stages of heat is supported. • The PEK power injector is not supported. User must run a separate C wire between the thermostat and Boiler.
Heat Pumps	• Supports up to 4 stages of heat. – 2 stage heat pump – 2 stage auxilliary heat • Supports up to 2 stages of cool. • Single speed fan control only. Variable speed fans are not supported. • Geothermal and air-to-air heat pumps are supported. • The PEK power injector is supported when there is no C wire available.
Dual Power Source (dual transformer)	• Up to 2 stages of heat and 2 stages of cool are supported. • Single speed fan control only. Variable speed fans are not supported. • The PEK power injector is not supported. User must run a separate C wire between the thermostat and Boiler.
Voltage Requirements	• Compatible with most HVAC systems running 24V AC. • DC voltage systems such as HVAC systems in recreational vehicles are not supported. • High Voltage systems such as electric baseboards that are powered with 120V AC are not suppported. • Low voltage milli-volt systems such as fireplaces and wood stoves are not supported.
Humidifiers / Dehumidifiers	• Not Supported

Appendix A: HVAC Data Table Basics

The HVAC data table in Blueprint affects what functions and features are available in the Savant Pro and TrueControl II apps. Modifications made to the data table will affect what functions and features are available in these apps. An explanation of each field in this table is described below.

1. To access the HVAC Data Table, open Blueprint and select Tools > Settings > HVAC.



2. Use the descriptions in the table below when making updates to the data table.

Setting	Description
Enabled	**Checked** - An HVAC service for the checked row is generated in Blueprint, and an HVAC service icon is added to the Savant App. **Unchecked** - No service will be generated.
Controller	The drop-down menu lists all thermostats in the configuration. Select the appropriate thermostat from the list. The Controller field associates the thermostat with a Location from the Location field.
Location	The zone selected from the drop-down menu is the zone displayed under HVAC service on the Home screen in the Savant App.
Entity	For the SST-W300, set the Entity column to **Zone**.
Thermostat [1]	Enter < 1 > for all Savant brand thermostats. For 3rd party thermostats, enter the address configured to that thermostat.
Thermostat [2]	Not Applicable
Heat/Cool/Auto/Humidity	**Checked** - Adds an entity for that function to the User Interface (Savant App). **Unchecked** - Do not populate the function or if already configured into Savant App, remove it.
Humidify	The SST-W300 doesn't support control of a Humidifier. The field is grayed out and can't be modified.
Dehumidify	The SST-W300 doesn't support control of a Dehumidifier. The field is grayed out and can't be modified.
External Temp Sensor	The SST-W300 doesn't support external temperature sensors. The field is grayed out and can't be modified.

3. After changes are made, the file can be saved and uploaded to the Host. See the Save Configuration, Generate Services, and Upload File section for information on uploading files to the Host.

Appendix B: Clear Network and Configuration from Thermostat.

For a full overview of Savant's networking guidelines, see the Savant Device Networking Guidelines reference guide on the Savant Community.

Network Changes

Savant recommends performing the following to refresh the IP connection after connecting to a new network, changing routers, or if the IP address range is changed in the current router. This will reset the IP connection and clear the configuration running on the thermostat.

Reset Thermostat from the Front Panel:

1. Press the button on the thermostat's front panel to put it into either cool, heat, or dual setpoint mode.
2. Select and hold the icon for 10 seconds until the display starts to blink; then release. The thermostat will reboot. After the reboot, the thermostat will no longer be connected to Wi-Fi and the configuration running on the thermostat is cleared.
3. Using the Savant Power and Light App, Provision the thermostat to the new Wi-Fi network. See the Provision Thermostat to Wi-Fi section earlier in this document.

Appendix C: Configure Thermostat with No Wi-Fi available

The instructions below describe how to configure the SST-W300 to control an HVAC system when no Wi-Fi is available.

1. Verify the Bluetooth icon is displayed in the thermostat's upper right corner.
2. Press the ☰ button to take the thermostat out of sleep mode.
3. Press and hold the thermostat's + and - buttons for 10 seconds until the screen appears like the image.
4. Press the button to change the digit on the left between P1 and P2.
   - Select P1 when there is one power wire connected to the RC terminal. With P1 selected, RC an RH terminals are connected internally.
   - Select P2 when there are two power wires. One connected to RC, the other connected to RH. With P2 selected, terminals RC and RH are not connected internally.
5. Press the + or - button to increase or decrease the digits on the right. The digits on the right correspond to the 32 HVAC systems that be configured onto the thermostat. Refer to the tables below.
6. To save the selection, press and hold the + and - button for five seconds until the thermostat's main screen appears. The configuration selected is now saved on the thermostat and the thermostat can run the HVAC system without being connected to Wi-Fi. When ready, the thermostat can be added to Wi-Fi. See the Provision Thermostat to Wi-Fi when ready to put it on Wi-Fi and continue the installation.

Code	HVAC System	Code	HVAC System
01	1 Stage Cooling (Conventional)	17	2 Compressors or 2 Speed Compressor Heat Pump (1-AUX) - On Cool - Electric Aux
02	2 Stage Cooling (Conventional)	18	2 Compressors or 2 Speed Compressor Heat Pump (1-AUX) - On Cool - Boiler Aux
03	1 Stage Heating (Conventional) - Gas	19	2 Compressors or 2 Speed Compressor Heat Pump (1-AUX) - On Cool - Gas Aux
04	1 Stage Heating (Conventional) - Electric	20	2 Compressors or 2 Speed Compressor Heat Pump (1-AUX) - On Heat - Electric Aux
05	2 Stage Heating Conventional - Gas	21	2 Compressors or 2 Speed Compressor Heat Pump (1-AUX) - On Heat - Boiler Aux
06	2 Stage Heating Conventional - Electric	22	2 Compressors or 2 Speed Compressor Heat Pump (1-AUX) - On Heat - Gas Aux
07	1 Stage Heating/Cooling Conventional - Gas	23	2 Compressors or 2 Speed Compressor Heat Pump (2-AUX) - On Cool - Electric Aux
08	1 Stage Heating/Cooling Conventional - Electric	24	2 Compressors or 2 Speed Compressor Heat Pump (2-AUX) - On Cool - Boiler Aux
09	2 Stage Heating/Cooling Conventional - Gas	25	2 Compressors or 2 Speed Compressor Heat Pump (2-AUX) - On Cool - Gas Aux
10	2 Stage Heating/Cooling Conventional - Electric	26	2 Compressors or 2 Speed Compressor Heat Pump (2-AUX) - On Heat - Electric Aux
11	1 Compressor Heat Pump (1-AUX) - On Cool - Electric Aux	27	2 Compressors or 2 Speed Compressor Heat Pump (2-AUX) - On Heat - Boiler Aux
12	1 Compressor Heat Pump (1-AUX) - On Cool - Boiler Aux	28	2 Compressors or 2 Speed Compressor Heat Pump (2-AUX) - On Heat - Gas Aux
13	1 Compressor Heat Pump (1-AUX) - On Cool - Gas Aux	29	1 Stage Heating Conventional – Boiler
14	1 Compressor Heat Pump (1-AUX) - On Heat - Electric Aux	30	2 Stage Heating Conventional – Boiler
15	1 Compressor Heat Pump (1-AUX) - On Heat - Boiler Aux	31	1 Stage Heating/Cooling Conventional – Boiler
16	1 Compressor Heat Pump (1-AUX) - On Heat - Gas Aux	32	2 Stage Heating/Cooling Conventional - Boiler

Important Notice

Disclaimer

Savant Systems, Inc. reserves the right to change product specifications without notice, therefore, the information presented herein shall not be construed as a commitment or warranty.

Savant Systems, Inc. shall not be liable for any technical or editorial errors or omissions contained herein or for incidental or consequential damages resulting from the performance, furnishing, reliance on, or use of this material.

Patents

Certain equipment and software described in this document is protected by issued and pending U.S. and foreign patents.

All products and services are trademarks or registered trademarks of their respective manufacturer.

Copyright

Trademarks

Technical and Sales Support

Savant Systems, Inc is dedicated to providing prompt and effective support in a timely and efficient manner.

- To contact Savant Support, access the Savant Customer Community and enter a support Case ticket.
- To contact Savant Sales, visit Savant.com and select Contact Us to locate a local sales representative in your area.