

THZ-100 Programming Manual

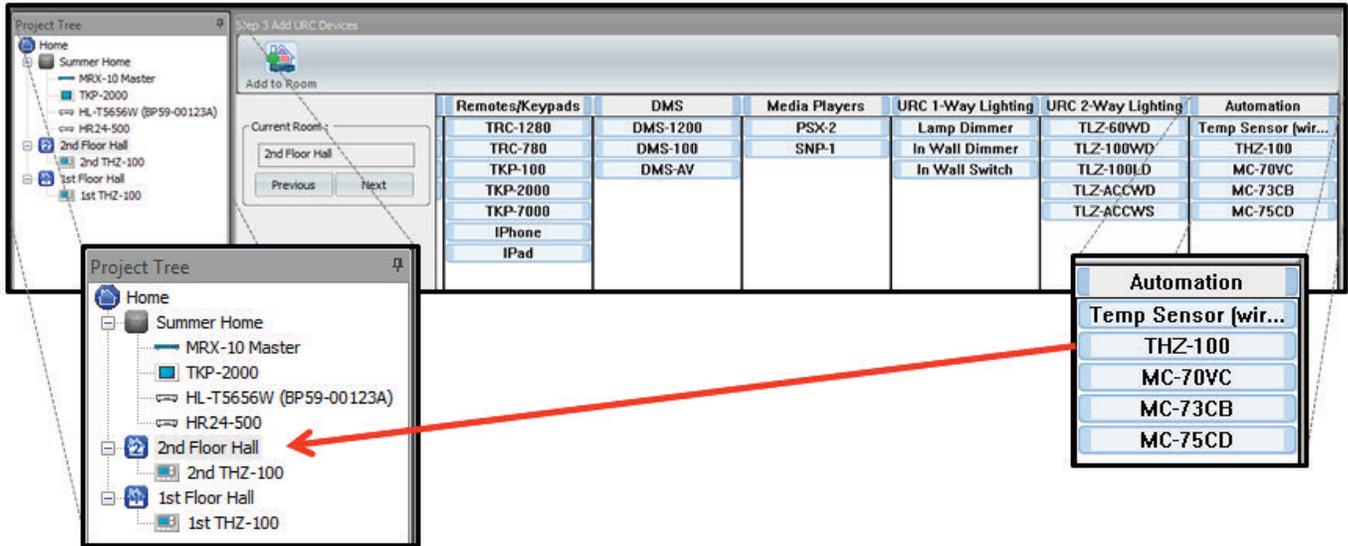


Appendix: Programming a THZ-100

Adding a THZ-100

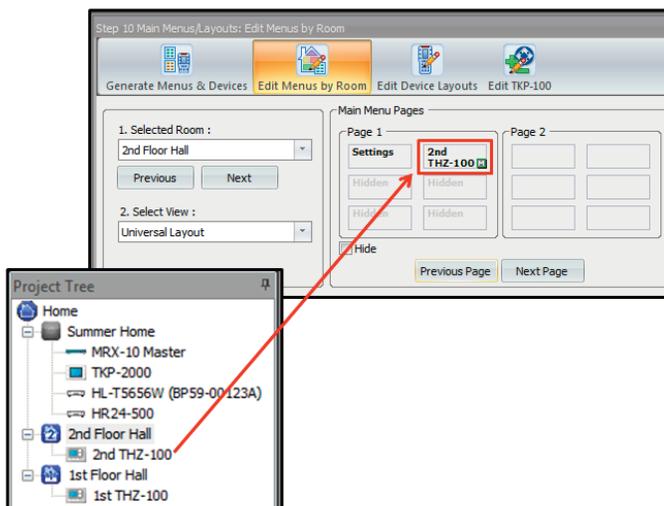
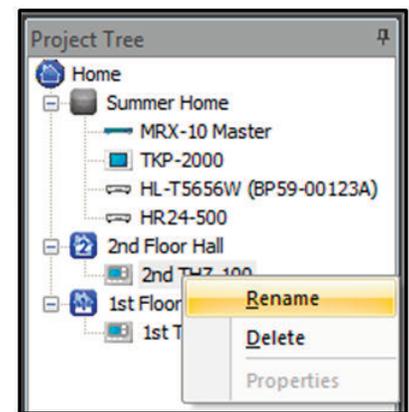
In **Step 3: Add URC Devices**, add the THZ-100 device. There are three ways to add it to a project.

- **Double-clicking** on the THZ-100 in the Automation column, adds it to the room chosen in the **Current Room** box.
- **Dragging** the THZ-100 from the Automation column and dropping into a Room in the Project Tree
- **Selecting** the THZ-100 and clicking **Add to Room**, will add it to the room chose in the **Current Room** box.



Renaming the THZ-100(s)

1. Edit the THZ-100 within the Project Tree, by right clicking it and selecting **Rename**.
2. After you **Accelerate** in **Step 10: Edit User Interfaces**, a device button will be created in the **Edit Menus by Room** section in the Room in which it was added. The name given to the THZ-100 in the Project Tree will be displayed on the device button to the end-user.

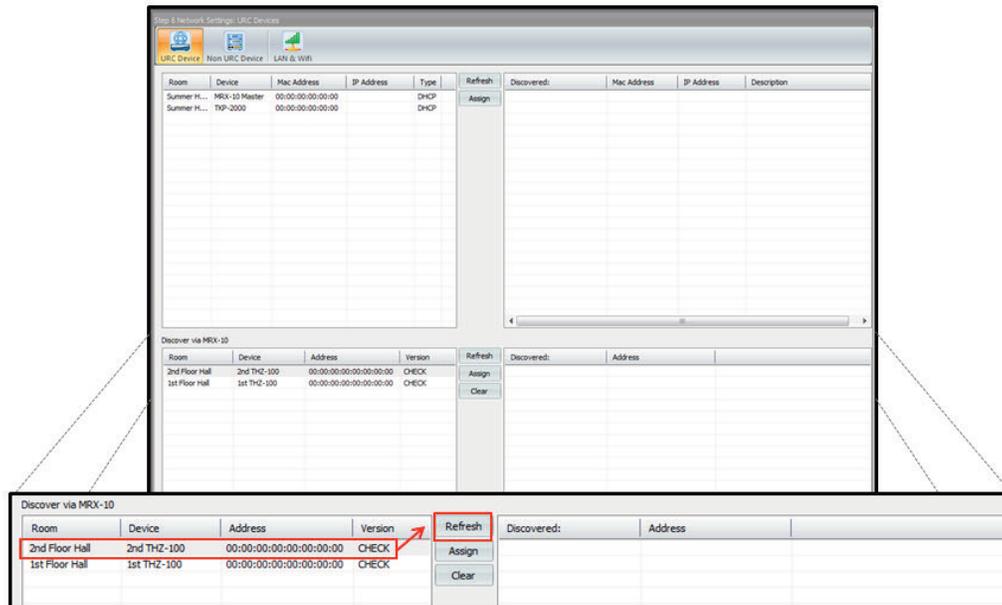


Appendix: Programming a THZ-100 (cont'd)

Discovering the THZ-100

In **Step 6: Network Setup**, the THZ-100 needs to be discovered via the MRX Advanced System Controller.

1. Place the THZ-100 in **Discover Mode** (see the THZ-100 User's Manual).
2. Select the THZ-100 in the lower-left windowpane, and click **Refresh**. The right windowpane will show all THZ-100s that are **within range AND in Discovery Mode**.



3. Every THZ-100 connected to an MRX Advanced System Controller, will populate along with its MAC address. Choose the THZ-100 with the correct MAC address and click **Assign**.



The **MAC address** can be found in two locations:

- On a label attached to the rear of the unit
- THZ-100 Onscreen menu: Select Options then Information. Refer to the THZ-100 Owner's Manual for further information.

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Thermostat Setup

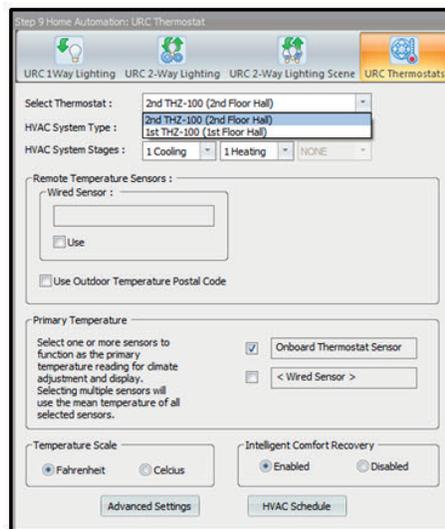
In **Step 9: URC Subsystems**, select the **URC Thermostats** icon from the top list.



Select Thermostat:

Shows all the THZ-100's that were created in **Step 3: Add URC Devices**.

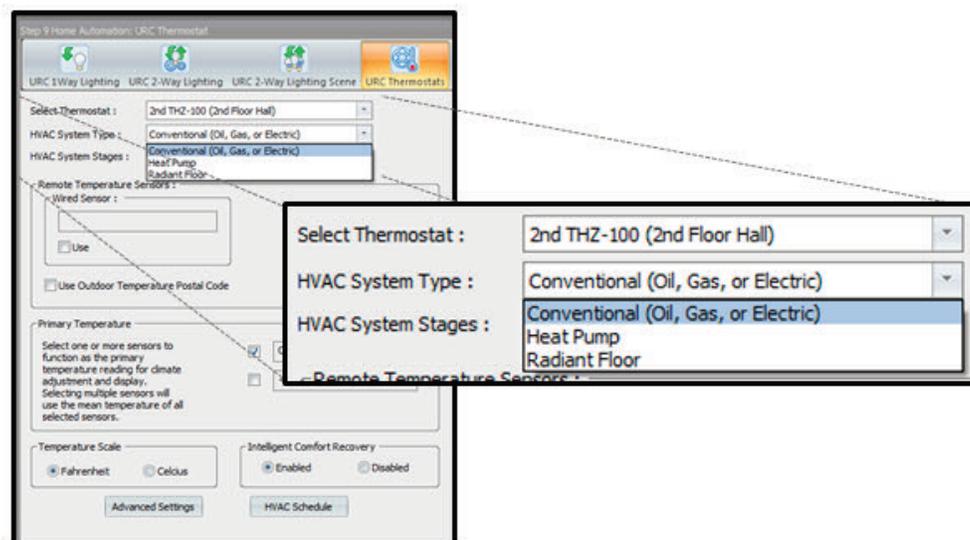
1. Select the thermostat that you would like to set up from the drop-down box.



HVAC System Type:

Shows three different HVAC System Types. **Conventional** (Oil, Gas, or Electric), **Heat Pump** and **Radiant Floor**.

1. Select the system type from the drop-down box.



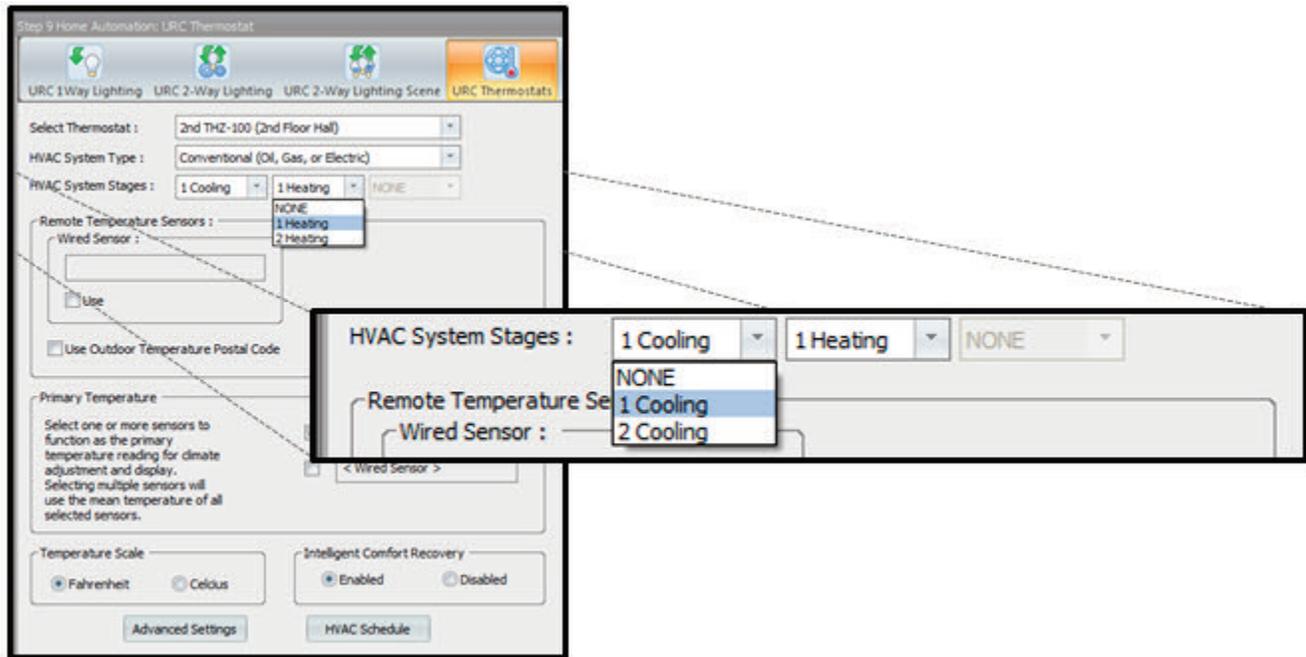
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Thermostat Setup (cont'd)

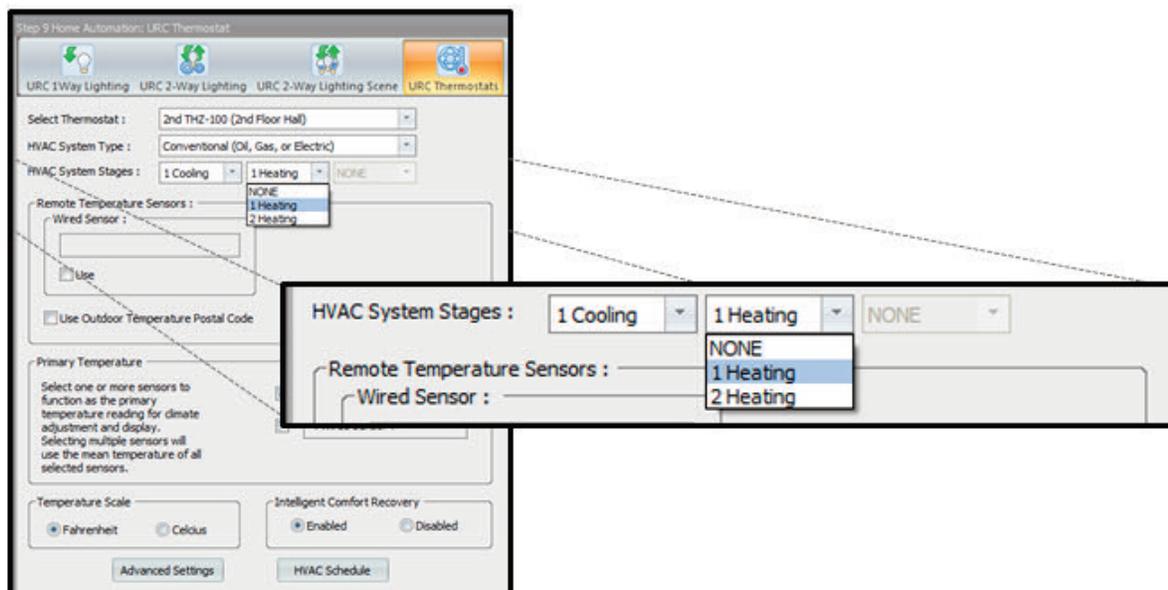
HVAC System Stages:

Shows two different drop-down boxes. One for **Cooling** and one for **Heating**.

1. Within the **Cooling** drop-down box you have three different **HVAC System Stages** to choose from: **None**, **1 Cooling** and **2 Cooling**. Select the **Cooling** system stage from the drop-down box.



2. Within the **Heating** drop-down box you have three different **HVAC System Stages** to choose from: **None**, **1 Heating** and **2 Heating**. Select the **Heating** system stage from the drop-down box.



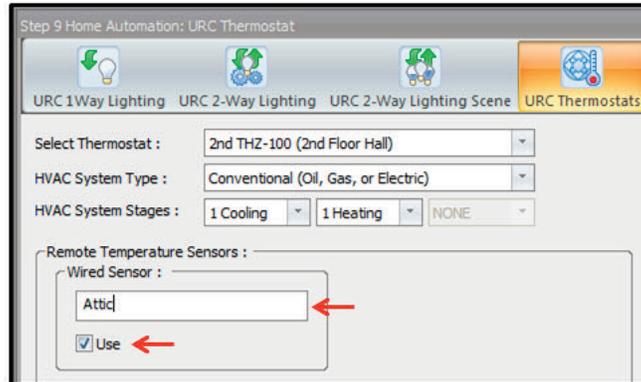
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Thermostat Setup (cont'd)

Remote Temperature Sensors (This option applies to URC Wired Sensors)

Wired Sensor:

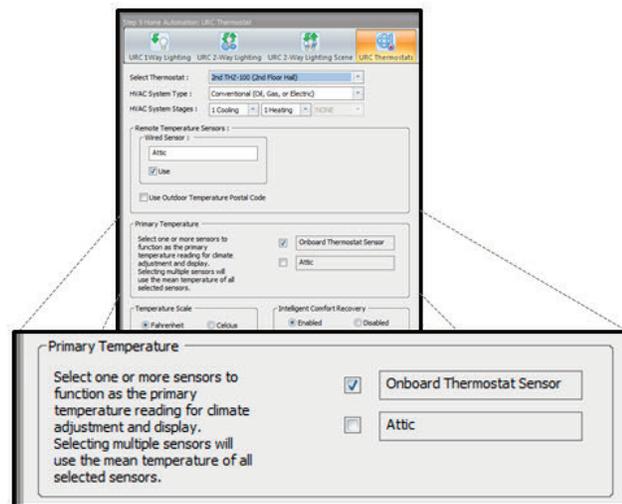
1. Check the **Use** box to enable the Wired Sensor.



2. **Type the name** of the sensor in the text box (this is the name that will appear, for this location, on the THZ-100 and/or user interfaces)

Primary Temperature

This option allows you to select one or more sensors to function as the primary temperature reading for climate adjustment and display. Selecting multiple sensors will use the mean or average temperature of all selected sensors.

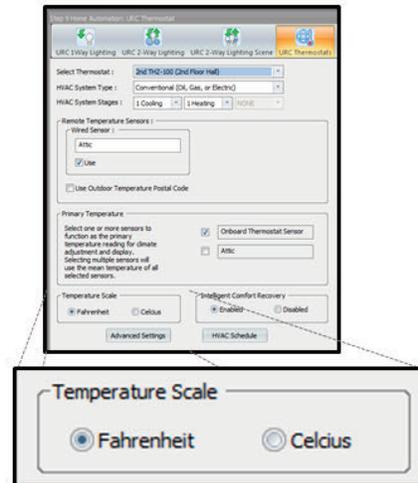


1. **Onboard Thermostat Sensor:** Built-in thermostat sensor of the THZ-100.
2. **Wired Sensor:** Once a Wired Sensor has been **named** and **enabled** (checking **Use** in the Remote Temperature Sensors section enables the sensor) it will automatically show up as an option in the **Primary Temperature** section.

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Thermostat Setup (cont'd)

Temperature Scale



- **Fahrenheit**

Temperature scale that defines the freezing point at 32 degrees and the boiling point at 212 degrees Fahrenheit.

Select the **Fahrenheit** option to choose this scale.

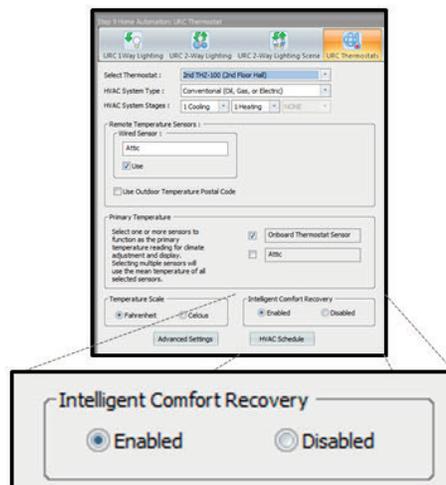
- **Celsius**

Temperature scale that defines the freezing point at 0 degrees and the boiling point at 100 degrees Celsius).

Select the **Celsius** option to choose this scale.

Intelligent Comfort Recovery

When there are significant set point differences between programmed set points of different program time periods, your THZ-100 anticipates the change in advance and begins to ramp the current set point to the next programmed set point to give you a smooth comfort transition.

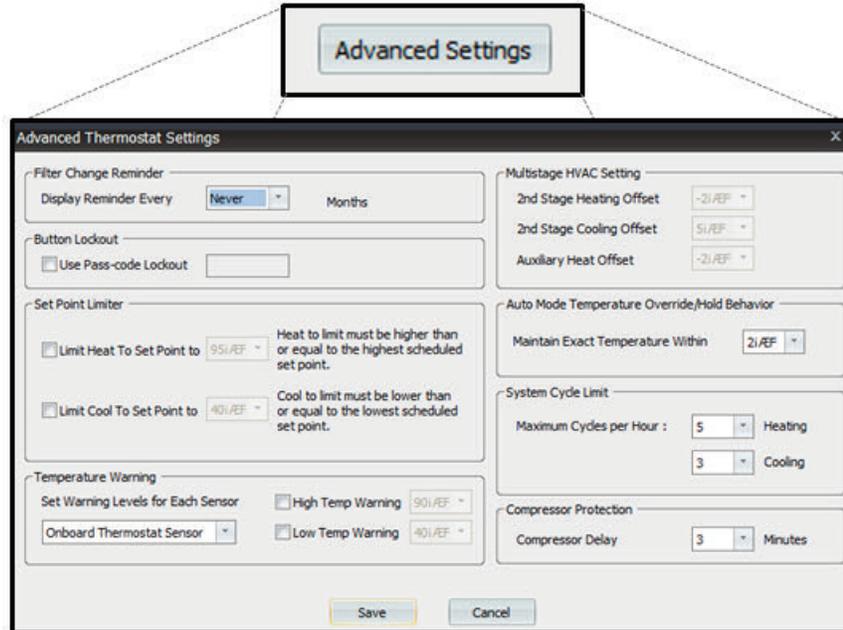


- **Enabled:** Select this option to enable the Intelligent Comfort Recovery feature

- **Disabled:** Select this option to disable the Intelligent Comfort Recovery feature

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Advanced Thermostat Settings



Filter Change Reminder

Determines the amount of time between Filter Change Reminder in months

1. Click the **Display Reminder Every** drop-down box.
2. Select the **number of months** before the reminder is displayed.

Button Lockout

Allows the installer to add a **lockout code** when enabled. Locking the keypad is a good idea to avoid unwanted people from controlling the thermostat.

Check the **Use Pass-Code Lockout** to enable the Lockout feature.

Set Point Limiter

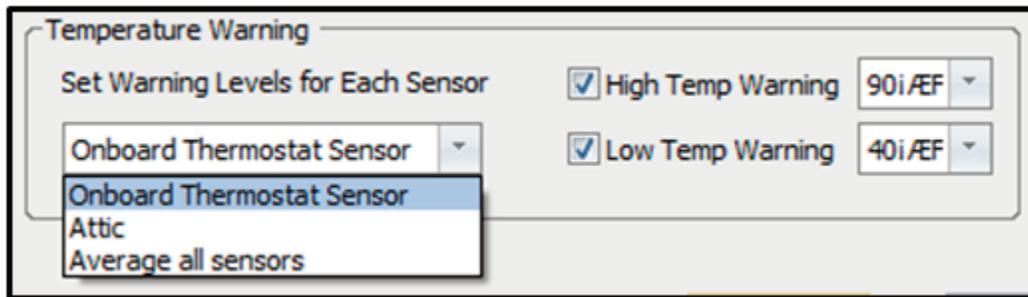
This feature allows the installer to set a **heat limit** and a **cool limit** by manually setting a set point for both.

1. Click the **Limit Heat To Set Point to** drop-down box to select a set point.
2. Click the **Limit Cool To Set Point to** drop-down box to select a set point.

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Advanced Thermostat Settings

Temperature Warning



This feature will display a **High Temperature Warning** and/or a **Low Temperature Warning**. Warning levels can be set **per sensor** or as an **average** for all sensors.

Set Warning Levels for Each Sensor: Select an individual sensor or select the **Average all sensors** option.

High Temp Warning: Click the **High Temp Warning** drop-down box and choose a temperature level.

Low Temp Warning: Click the **Low Temp Warning** drop-down box and choose a temperature level.

Multistage HVAC Setting

When two stage heating or two stage cooling system is in use, these options are available for setting. This value determines when the thermostat will call for 2nd stage heating/cooling.

2nd Stage Heating Offset: This feature is enabled if a two stage heating system is in use.

2nd Stage Cooling Offset: This feature is enabled if a two stage cooling system is in use.

Auxiliary Heat Offset: Enabled when HVAC System type “Heat pump with auxiliary heat” is chosen. This sets the value for **Auxiliary Heat Offset**.

Auto Mode Temperature Override/Hold Behavior

This option determines how the thermostat behaves when the Set To temperature is adjusted while the thermostat is running in **auto heat/cool mode**. This affects both temporary and permanent hold behavior.

Maintain Exact Temperature Within

This feature allows the thermostat to maintain the exact set temperature, calling for cooling or heating as required.

Click the **Maintain Exact Temperature Within** drop-down box and choose a set temperature.

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Advanced Thermostat Settings

System Cycle Limit

Maximum Cycles per Hour

This option sets the value for maximum number of heating or cooling cycles that may be called for per hour.

1. Click the **Heating** drop-down box to set the **Maximum Cycles per hour**.
2. Click the **Cooling** drop-down box to set the **Maximum Cycles per hour**.

Compressor Protection/Compressor Delay (set in minutes)

This option sets the minimum number of minutes between successive **heating** or **cooling activation cycles**, including activation of a heating cycle following a cooling cycle or a cooling cycle following a heating cycle.

1. Click the **Compressor Delay** drop-down box to set the delay time in minutes.

HVAC Schedule (Thermostat Scheduling)

Thermostat Scheduling was designed to adjust the temperature according to a series of programmed settings that take effect at **different times** of the day.

• Current Programming

Period

This option separates a 24-hour day into four periods. **Morning, Day, Evening** and **Night**. **Select** or **highlight** the day you would like to edit.

• Edit Programming

This option allows the programmer to edit days by **week, weekends, every day, selected days** or special day (Vacation Mode).

Select Days For Editing

1. **Selected Days**
Check the days you would like to edit
2. **Week Days**
Check this option to group weekdays
3. **Weekend Days**
Check this option to group weekends
4. **Every Day (excludes Special Days)**
Check this option group everyday with the exception of Special Days
5. **Special Day**
Check this option to edit your special day or vacation day

Period	Start Time	Heat To	Cool To
Vacation Mode Override			
Morning	--:--	----	----
Day	08:00 AM	62i/REF	85i/REF
Evening	--:--	----	----
Night	--:--	----	----
Sunday			
Morning	09:00 AM	70i/REF	78i/REF
Day	08:00 AM	62i/REF	85i/REF

Select Periods

This section allows the programmer to manually edit the **Start Time, Heat level** and **Cool level** by the four periods in the day. **Morning, Day, Evening** and **Night**.

1. To edit a period of the day, click on the drop-down box next to the **Start Time, Heat To** and **Cool To**.
2. After all the programming changes have been made, click the **Apply Changes** button.

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Punch Through

In **Step 13: Punch Through**, the THZ-100 can be found in the **Select Device** section.

The screenshot shows a dialog box titled "Step 13 Punch Through". It is divided into two main sections: "Punch To" and "Punch From".

Punch To:

- 1. Select Room :** A dropdown menu showing "2nd Floor Hall".
- 2. Select Device :** A list box containing "Main", "2nd THZ-100", and "Other Devices". "Main" is currently selected.
- Buttons: "Select All" and "Clear All".

Punch From :

- Volume, Mute :** A dropdown menu showing "[None]".
- Channel :** A dropdown menu showing "[None]".
- Navigation :** A dropdown menu showing "[None]".
- Play, Stop... :** A dropdown menu showing "[None]".
- Number (0-9, +10, ENT) :** A dropdown menu showing "[None]".
- Button: "Save".

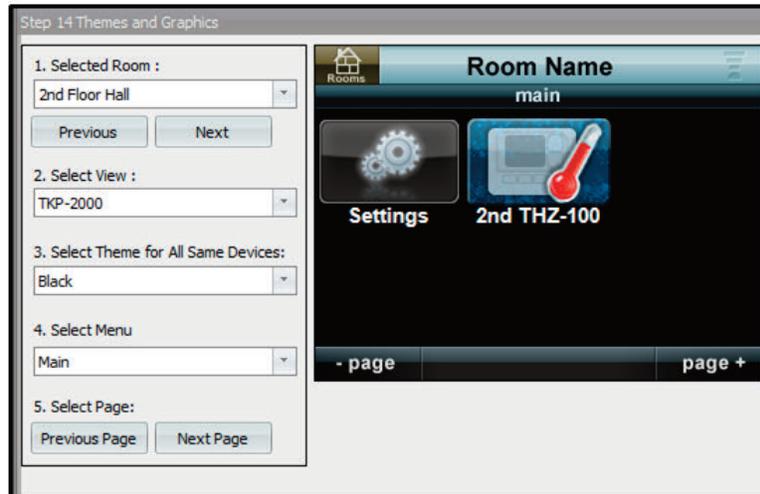
Punch To: Select the room where the THZ-100 is programmed to, then select the THZ-100 device.

Punch From: Choose which command set to punch (ex. Volume, Channel, Navigation controls etc.) and what source. (ex. TV, AVR, Cable box etc.)it is coming from. Once done, click **Save** to continue.

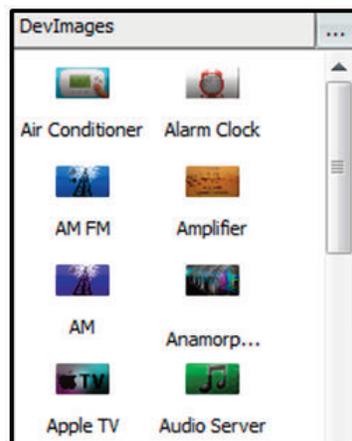
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Themes & Graphics

In **Step 14: Themes & Graphics**, the THZ-100 icon can be replaced with any other image provided by the Accelerator software. (Custom graphics cannot be used.)



- 1 Selected Room:** Select the **Room** where the THZ-100 was created.
- 2. Select View:** Click the Select View drop-down box to choose a remote view (This option is not available for the MX-780 and TKP-100).
- 3. Select Theme for All Same Devices:** Click the **Select Theme for All Same Devices** drop-down box to choose a theme color.
- 4. Select Menu:** Click the **Select Menu** drop-down box to choose a **menu** or **submenu**. To replace the icon **drag and drop** a replacement image from the image gallery.





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