Total Control
Thermo Control
for THZ-100 Thermostat
User's Manual

URC
Control the Experience.

Introduction

Congratulations on your purchase of this THZ-100 Thermostat from URC. Enjoy the full functionality of a stand-alone thermostat coupled with the ability, when used with a Total Control system, to be operated from any user interface in the system. No more shivering under the covers, dreading to dare the inevitable cold on the way to the shower; grab the remote and make it nice and toasty, before removing the blanket!

With Thermo Control, you can create a schedule to adjust your home's temperature in any season. This leaves you in control of your energy saving and cost cutting efforts throughout your living environment.

Benefits

- Save up to hundreds of dollars a year when the thermostat is properly configured to automatically heat and cool your home.

- Multiple daily schedules maintain the desired temperatures throughout the day. (Up to four daily schedules.)

- Control any of your home's thermostats from any Total Control interface or iOS devices.

- Intelligent Comfort Recovery anticipates your desired temperature at your scheduled time and intuitively begins heating/cooling early to ensure your desired temperature is reached.

Programmable Thermostat Setpoint Times & Temperature			
Setting	Time	Setpoint Temperature (Heat)	Setpoint Temperature (Cool)
Morning	6:00am	≤ 70 F	≥ 78 F
Day	8:00am	Setback at least 8F	Setup at least 7F
Evening	6:00pm	≤ 70 F	≥ 78 F
Night	10:00pm	Setback at least 8F	Setup at least 4F

Use the following chart, based on Energy Star's recommendations, to schedule your thermostat and save hundreds of dollars per year.

Courtesy of Energy Star
http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=TH

URC
Control the Experience.

1.0 Installation Instructions

1.1 Download and Installation

1. Visit **www.universalremote.com.** From the **Support** tab, press **Download**.

2. Select the **Total Control Thermo Control software** for the THZ-100 Thermostat (ThermoCtrl.exe) to download.

3. Follow the on-screen prompts to download and install the software.
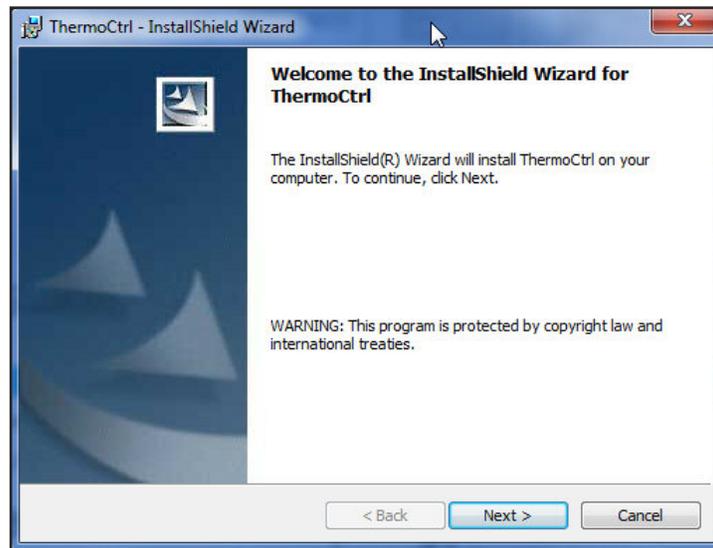
1.2 Opening the Thermo Control Software

To open the newly installed program, press the **Start** button and click **Thermo Control**.

*If the program is not listed in the Start Menu, click on **All Programs** and open **Universal Remote Control, Inc.***

Start Menu

All Programs Menu
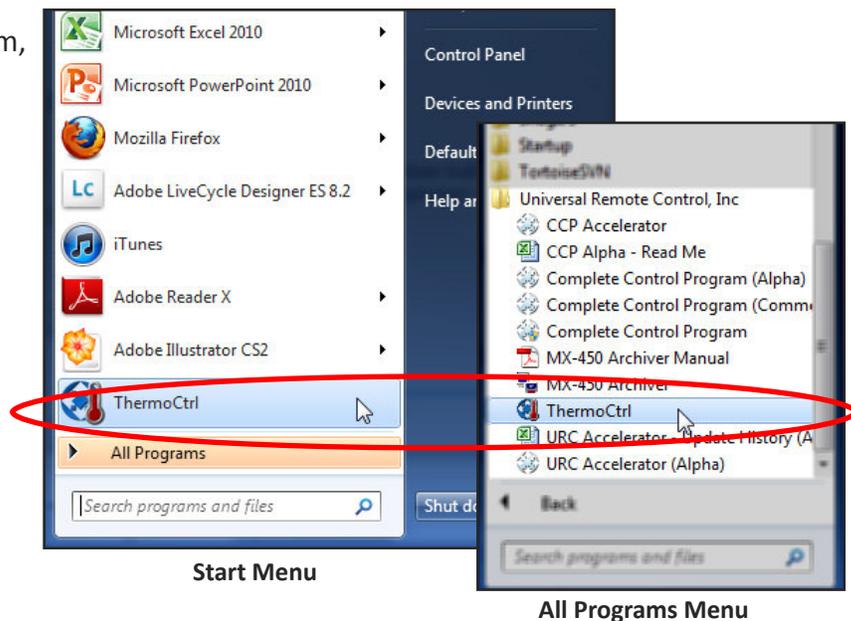
2.0 Programming the Thermo Control THZ-100 Thermostat Software

2.1 Using Thermo Control
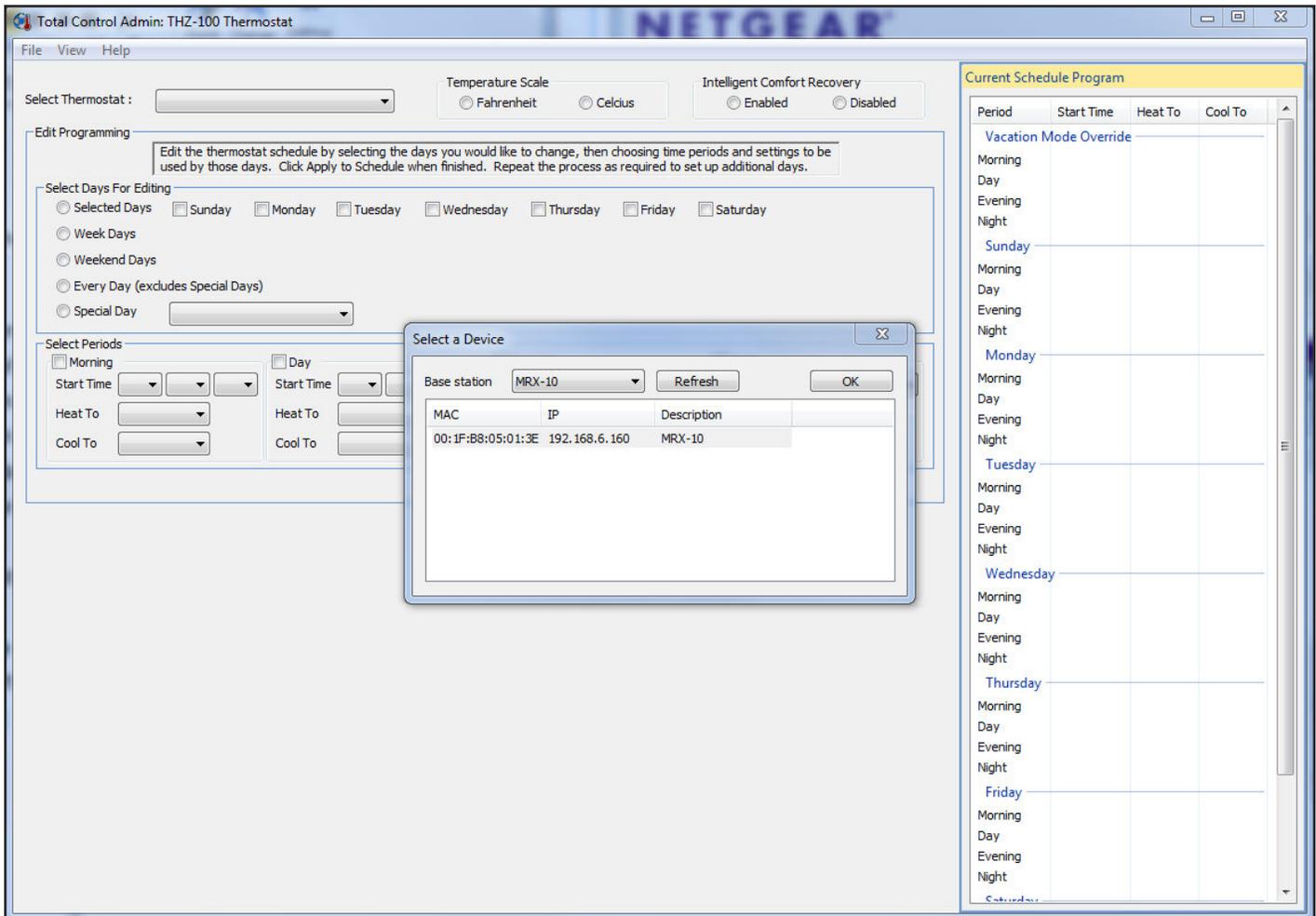
As the software opens, a small window titled, **"Select a Device"** prompts you to do just that.

1. Choose your installed MRX Advanced Network System Controller (**Base station)**, from the item list. (Ex. MRX-10)

   Note: Now that you have selected your base station, the next time you open the software it will remember your selection. Since the thermostat's configuration is stored in the MRX unit, Thermo Control will automatically upload the configuration for each connected thermostat.

2. Click the **Refresh** button to discover the connected base station. The base stations's **Description**, **MAC** and **IP address** populate.

3. **Highlight** the correct base station and press **OK.**

4. The "**Select a device**" window closes and uploads the thermostat's configuration.

Total Control Admin: THZ-100 Thermostat

File   View   Help

A Select Thermostat : Thermostat (Home Theater)

B Temperature Scale
● Fahrenheit   ○ Celcius

C Intelligent Comfort Recovery
● Enabled   ○ Disabled

D Edit Programming
Edit the thermostat schedule by selecting the days you would like to change, then choosing time periods and settings to be used by those days. Click Apply to Schedule when finished. Repeat the process as required to set up additional days.

Select Days For Editing
● Selected Days   ☑ Sunday   ☐ Monday   ☐ Tuesday   ☐ Wednesday   ☐ Thursday   ☐ Friday   ☐ Saturday
○ Week Days
○ Weekend Days
○ Every Day (excludes Special Days)
○ Special Day

E Select Periods

	Morning	Day	Evening	Night
	☑ Morning	☑ Day	☑ Evening	☑ Night
Start Time	06 : 00 AM	08 : 00 AM	06 : 00 PM	10 : 00 PM
Heat To	70°F	62°F	70°F	62°F
Cool To	78°F	85°F	78°F	82°F

Apply to Schedule

F Current Schedule Program

Period	Start Time	Heat To	Cool To
Vacation Mode Override			
Morning	--:--	----	----
Day	08:00 AM	62°F	85°F
Evening	--:--	----	----
Night	--:--	----	----
Sunday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Monday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Tuesday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Wednesday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Thursday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Friday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Saturday			

Select Thermostat:
Lists each THZ-100 installed in your home. Select the **thermostat** that you would like to edit from the drop-down box.

A Select Thermostat   Thermostat (Home Theater)
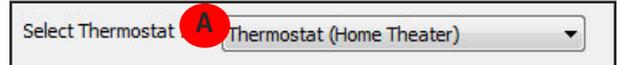
Temperature Scale: Select the preferred scale; Fahrenheit or Celsius.
- **Fahrenheit**
  Temperature scale that defines the freezing point at 32 degrees and the boiling point at 212 degrees fahrenheit. Select the **Fahrenheit** option to choose this scale.
- **Celsius**
  Temperature scale that defines the freezing point at 0 degrees and the boiling point at 100 degrees Celsius. Select the **Celsius** option to choose this scale.

B Temperature Scale
● Fahrenheit   ○ Celcius
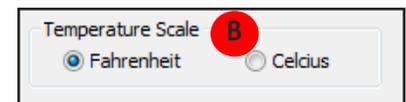
Intelligent Comfort Recovery
When there are significant setpoint differences, the Intelligent Comfort Recovery learns how long a home takes to heat or cool. The thermostat adjusts and turns on the heating/cooling system to reach a setpoint at a certain time to provide a smooth comfortable transition.

C Intelligent Comfort Recovery
● Enabled   ○ Disabled

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

URC
Control the Experience.

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

Edit Programming

This option allows you 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

Select Periods

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

1. Select a period of day to modify: Morning, Day, Evening, Night.

2. Within the **Start Time** drop-down boxes, select the desired time associated period.

3. Within the **Heat To** (Heat Mode usually used in the winter) drop-down box, select the desired temperature.

4. Within the **Cool To** (Cool Mode usually used in the summer) drop-down box, select the desired temperature.

5. After all the programming changes have been made, click the **Apply to Schedule** button.

Current Schedule Programming
This option provides a snapshot of your current schedule separated per weekday into four periods: Morning, Day, Evening and Night.

Note: If you don't like the temperature for a certain day or time period, you can quickly change it.

1. **Select or highlight** the day you would like to edit.

2. Make your changes within the **Edit Programming** and the **Select Periods** section.

3. Once all your changes are made, press **Apply to Schedule.**

Current Schedule Program F			
Period	Start Time	Heat To	Cool To
Vacation Mode Override			
Morning	--:--	----	----
Day	08:00 AM	62°F	85°F
Evening	--:--	----	----
Night	--:--	----	----
Sunday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Monday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Tuesday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F
Wednesday			
Morning	06:00 AM	70°F	78°F
Day	08:00 AM	62°F	85°F
Evening	06:00 PM	70°F	78°F
Night	10:00 PM	62°F	82°F

3.0 Download to your THZ-100 Thermostat

Once you have finished your adjustments, you will need to download the changes to the thermostat.

1. Select **File** then **Save to Device.** The download instantly begins.

2. When the download reaches 100% a **Download Success** window opens. Press **Ok**.
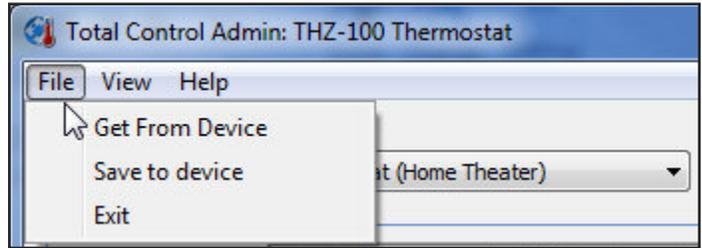
Note: Keep in mind, if the thermostat is currently in use, the download will be delayed until the user is done adjusting the temperature.
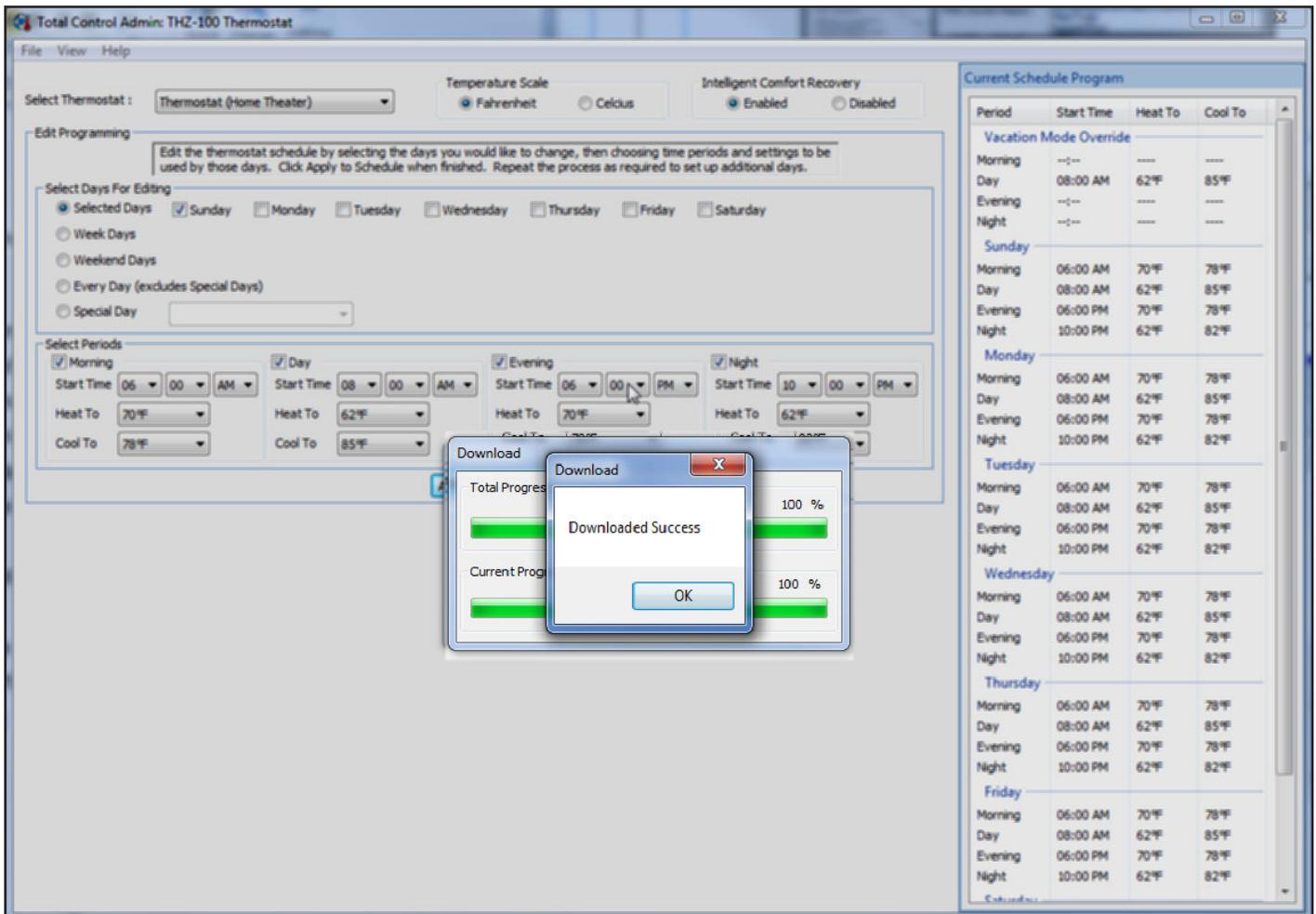
Advanced Settings for ADVANCED USERS

These settings should ONLY BE USED BY QUALIFIED INDIVIDUALS. Improper settings may cause malfunction and damage to the climate control systems.

1. Click on **View**, then **Show Advanced Settings**.

2. A window opens to warn you of the potential damage an unqualified programmer/user may cause.

3. IF YOU ARE QUALIFIED, press **View Settings**.

4. The Advanced Settings screen opens.
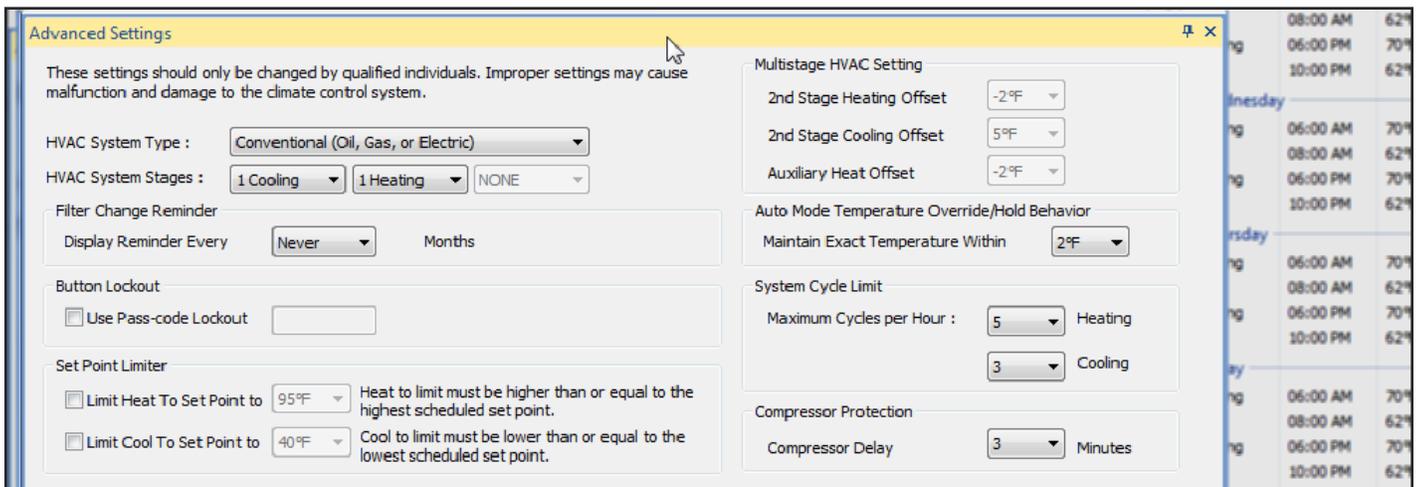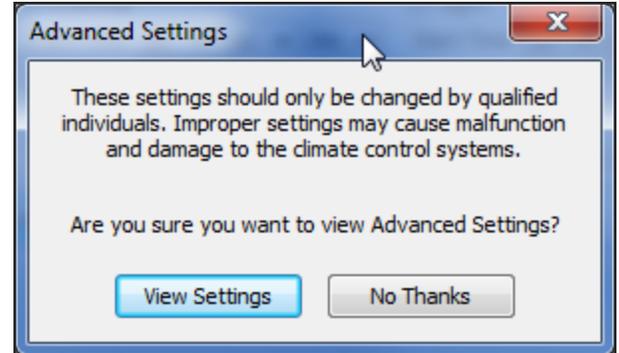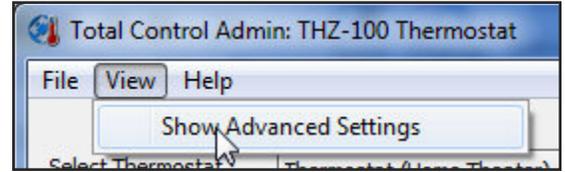
HVAC System Type:
Shows three different HVAC System Types. **Conventional** (Oil, Gas, or Electric), **Heat Pump** and **Radiant Floor**. Select the system type from the drop-down box.

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 (Single Stage)** and **2 Cooling (Dual Stage).** 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.

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 you to add a 4 digit **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 you to set a **heat limit** and a **cool limit** by manually entering a limit point for both. This prevents users from making temperature adjustments outside of the limit range.

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

Multistage HVAC Setting
When a two stage heating or two stage cooling system is selected, 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 **2 Heating** system is in use.
>
> **2nd Stage Cooling Offset:** This feature is enabled if a **2 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 preset temperature is adjusted while in **Auto Mode**. Refer to User manual for Auto Mode description.

> **Maintain Exact Temperature Within**
> This feature allows the thermostat to limit compressor cycles and reduce energy consumption by maintaining the temperature within the variance chosen for this setting.
> When this parameter is set to 2°, the thermostat will not engage the compressor (turn on) until the temperature is at least 2° from the desired set-point.
>
> *Example*
> Maintain Exact Temperature Within: **4°**   Set-Point: **74°**
> While in Heat Mode the thermostat will not engage the heat until temperature reaches 70°.
> While in Cool Mode the thermostat will not engage the A/C until temperature reaches 78°.

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.
>
> - Click the **Heating** drop-down box to set the **Maximum Cycles per hour.**
> - 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.