THZ-100 Programming Manual



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**.
- 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.





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**.

		Room Summer H	Device MRX-10 Master	Mac Address 00:00:00:00:00:00	IP Address	Type DHCP	Refresh Assign	Discovered:	Mac Address	IP Address	Description	
		Summer H	TKP-2000	00:00:00:00:00:00		DHCP						
	- 1											
	- 11											
	- 1											
	- 11											_
	10	iscover via MR	ex-10				_					
		Room	Device	Address		Version	Refresh	Discovered:	Address			_ \
1		1st Floor Hall	1st THZ-1	100 00:00:00:	00:00:00:00:00	OFECK	Assign					
1	- 1						Cea					
/	1											
	1											1 1
1												
r via MRX-1												
	Device		Address		Version	7	Refresh	Discovered:	Add	ress		
or Hall	2nd THZ	100	00:00:00	:00:00:00:00:00	CHECK	/ -	Assign					

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**.

Discover via MRX-1	0	10	1.2					
Room	Device	Address	Version	Refresh	Disc	overed:	Address	
2nd Floor Hall	2nd THZ-100	00:00:00:00:00:00:00:00	CHECK	Assign	к	THZ-100	00:80:92:40:0E:6C	
1st Floor Hall	1st THZ-100	00:00:00:00:00:00:00:00	CHECK	Clear				

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.

Thermostat Setup

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

Step 9 Home Automatio	n: URC Thermostat				
₽ Ω	8	5		Po	1)(11
URC 1Way Lighting	URC 2-Way Lighting	URC 2-Way Lighting Scene	URC Thermostats	URC IP Cameras	URC Sensors

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.

	St 😚 🗕 🤐	
URC 1Way Lighting UR	RC 2-Way Lighting URC 2-Way Lighting Scene URC Thermo	stat
Select Thermostat :	2nd THZ-100 (2nd Floor Hall)	
IVAC System Type :	2nd THZ-100 (2nd Floor Hall) 1st THZ-100 (1st Floor Hall)	
IVAC System Stages :	1 Cooling * 1 Heating * NONE *	
-Remote Temperature S Wired Sensor : Use Use Use Outdoor Temp	Persons :	
Primary Temperature Select one or more se function as the primar temperature reading f adjustment and displa Selecting multiple sens use the mean tempera selected sensors.	resors to V Onboard Thermostat Sensor for climate y, cost will sture of all	
Primary Temperature Select one or more see function as the primar adjustment and displa Selecting multiple sens use the mean tempera- selected sensors. Temperature Scale Pahrenheit	Intelligent Comfort Recovery Celcus Corboard Thermostat Sensor Corboard Thermostat	

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.

Select-Thermostat :	2nd TH2-100 (2nd Floor Hall		1 in the	
NAC System Type : NAC System Stages : Remote Temperature Wired Sensor :	Conventional (OI, Gas, or E Engventional (OI, Gas, or E Heat/Pump Radant Flobr	ectric)		
Duse		Select Thermostat :	2nd THZ-100 (2nd Floor Hall)	
Use Outdoor Tem	perature Postal Code	HVAC System Type :	Conventional (Oil, Gas, or Electric)	
Primary Temperature Select one or more se function as the prima temperature reading adjustment and displ Selecting multiple sen use the mean temper selected sensors.	rators to y for climate ry, sors will sors will source of all	HVAC System Stages :	Conventional (Oil, Gas, or Electric) Heat Pump Radiant Floor	
Temperature Scale -	Celclus	gent Comfort Recovery Enabled		

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.

Step 9 Home Automation: I	URC Thermostat						
•	\$2	😫 📄					
URC 1Way Lighting U	RC 2-Way Lighting URC 2-W	ay Lighting Scene URC	Thermostats				
Select Thermostat :	2nd THZ-100 (2nd Floor Hal)						
HVAC System Type 1	Conventional (Oil, Gas, or E	ectric) 💌					
HVAC System Stages :	1 Cooling * 1 Heating	* NONE *	1.00				
Remote Temperature 1	Sensors : 1 Heating	-					
Wred Sensor : ~	12 Heating	_					
				and and a state of the state of			
Luse							Contraction of the local division of the loc
Use Outdoor Tem	perature Postal Code	HVAC System	Stages :	1 Cooling *	1 Heating	NONE	7
				NONE			
Primary Temperature		Remote Ter	mperature S	e 1 Cooling			1
function as the primar	resors to	-Wired Se	ensor :	2 Cooling			
adjustment and displa	sy.	< Wired Sensor >					
use the mean temper	ature of all						
seeced sensors.							
Temperature Scale -	Intelli	gent Comfort Recovery -					
Fahrenheit	Celcus •	Enabled Oise	abled				
Adva	nced Settings H	VAC Schedule					

 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.

Step 9 Home Automation: I	JRC Thermostat						
URC 1Way Lighting U	RC 2-Way Lighting URC 2	-Way Lighting Scene	URC Thermostats				
Select Thermostat :	2nd THZ-100 (2nd Floor H	ual)	•				
HVAC System Type :	Conventional (Oil, Gas, o	Electric)					
Remote Temperature 5	iensors : Liteatir 2 Heatir					******	which is a set of the late of
Use Outdoor Tem	erature Postal Code	HVAC Sys	stem Stages :	1 Cooling *	1 Heating *	NONE	
Primary Temperature Select one or more se function as the primar temperature reading	nsors to for climate	Remote	Temperature S d Sensor : —	Sensors :	NONE 1 Heating 2 Heating		
Selecting multiple sensus the mean temperal selected sensors.	y. iors will sture of all						
Temperature Scale	Celous	eligent Comfort Reco	© Disabled				
Advar	nced Settings	HVAC Schedule					

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.

Select Thermostat :	2nd THZ-100 (2nd Floor Hall)	
HVAC System Type :	Conventional (Oil, Gas, or Electric)	•
HVAC System Stages :	1 Cooling THeating NONE	*
Remote Temperature S	ensors :	
Attic		
🗹 Use 🔶		

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.

Select Thermostat :	and TH2-100 (2nd Floor Hell)
HVAC System Type	: Conventional (OI, Gas, or Electric)
HVAC System Stage	81 1Cooling * SHeating * NOTE *
Remote Temperat	ure Sensors :
Attic	
Use .	
Use Outdoor	Temperature Postal Code
Primary Temperat	ue and a second s
Select one or no function as the p temperature real adjustment and i Selecting multiple use the mean the selected sensors	e sensors to log double log double sensors ref sensors ref sensor
Temperature Scal	Celous Stabled
Primary Temperature -	
Select one or more se	nsors to 🛛 📝 Onboard Thermostat Sensor
runction as the primar	y
remperature reading 1	or climate
adjustment and displa	ATTC

- 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.

Thermostat Setup (cont'd)

Temperature Scale

Select Thermostat :	and TH2-100 (an	nd Floor Hall)	-	
rVAC System Type :	Conventional (Di	(, Gas, or Electric)		
HVAC System Stages 1	1 Cooling *	1 Heating * NONE	<u>F</u>]	
Remote Temperature Second Sensor :	meors :	-		
Attic				
Use				
Use Outdoor Temp	mature Postal Cod	e la		
Primary Temperature -				
Select one or more sen function as the primary temperature reading fit adjustment and display Selecting multiple sensi- use the mean tempera- selected sensors.	sors to r climate rs will ture of all	Criboard Thermost	at Sensor	
Temperature Scale	-	7Intelgent Confort Recov	ey	
· Falverheit	Celous	· Enabled	Disabled	
Advan	ed Settings	HVAC Schedule		200
		~		
Tempera	ture S	cale —		

• 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.

Select Thermostat :	2nd TH2-100 (2	nd Floor Hall)	12	
HVAC System Type :	Conventional (D	(, Gas, or Electric)	18	
HVAC System Stages (1 Cooling	1Heating	ONE *	
Remote Temperature	Sensors :	1		
Attic				
Use				
Use Outdoor Ten	perature Postal Co	*		
- Primary Temperature				
Select one or more s function as the prima temperature reading adjustment and disp Selecting multiple ser- use the mean temper selected sensors.	rnsors to ry for climate ay, sors will rature of all	Cribos	d Thermostat Ser	nsor
Tenperature Scale -	Tiens	Inteligent Co	nfort Recovery -	abled
Adva	nced Settings	HVAC Sch	edule	
	1	Ś		
ligent Co	mfort F	Recove	ry —	
		6		

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

Advanced Thermostat Settings

	Advanced Set	tings		
vanced Thermostat Settings	1	<u></u>		
Filter Change Reminder		Multistage HVAC Setting		
Display Reminder Every Never	Months	2nd Stage Heating Offset	-21 <i>R</i> F *	
utton Lockout		2nd Stage Cooling Offset	SI/EF *	
Use Pass-code Lockout		Auxiliary Heat Offset	-21/8F	
Set Point Limiter		Auto Mode Temperature Overr	ide/Hold Behavior	
Limit Heat To Set Point to 951/6F *	Heat to limit must be higher than or equal to the highest scheduled set point.	Maintain Exact Temperature Within 21/8F *		
	Cool to limit must be lower than	System Cycle Limit		
Limit Cool To Set Point to 40/765	or equal to the lowest scheduled set point.	Maximum Cycles per Hour :	5 * Heating	
Tastaarah ya Waxalaa		J	3 Cooling	
emperature warning			- 30 703 N	
Set Warning Levels for Each Sensor	High Temp Warning 901/FF *			
Set Warning Levels for Each Sensor	High Temp Warning 901/6F *	Compressor Protection		

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.

Advanced Thermostat Settings

Temperature Warning

Tempe	erature Warning		
Set V	Varning Levels for Each Senso	r 📝 High Temp Warning	90i <i>Æ</i> F ×
Onb	oard Thermostat Sensor	Low Temp Warning	40i <i>/</i> EF ×
Onb	oard Thermostat Sensor		
Attic			/
Ave	rage all sensors		

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.

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
- Start Time Heat To Cool To Period Vacati de Override 08:00 AM 621Æ 85iÆF Evening Night Sund Morning 09:00 AM 70 AFF 781 ÆF Select Days For Editing Selected Days
 Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday Week Days Weekend Days Every Day (excludes Special Days) C Special Day V Day Evening V Night Start Time 10 * 00 * PM * Start Time 09 * 00 * AM * Start Time 08 * 00 * AM * Start Time 06 * 00 * PM * Heat To 701/EF * Heat To 701/EF * Heat To 621/EF Heat To 621/EF Cool To 851/EF Cool To 781/EF Cool To 82/ÆF Cool To 78i/EF Apply Changes Clo

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** 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.

Punch Through

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

inch To :		Punch From :	
1. Select Room :		Volume, Mute :	
2nd Floor Hall	(*	[None]	*
2. Select Device :		Channel :	
Main		[None]	*
2nd THZ-100 Other Devices		Navigation :	
		[None]	*
		Play,Stop:	
		[None]	*
		Number (0-9, +10, ENT) :	
		[None]	*
Select All	Clear All		
		Sava	

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.

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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