

# TH8320U SETUP GUIDE

## INSTALLER SETUP

This Universal Thermostat works with many different system types. To operate correctly, the thermostat must be set up to operate the installed heating and/or cooling system.

### Installer Setup Menus

**Main Menu:** Offers the most commonly used options.

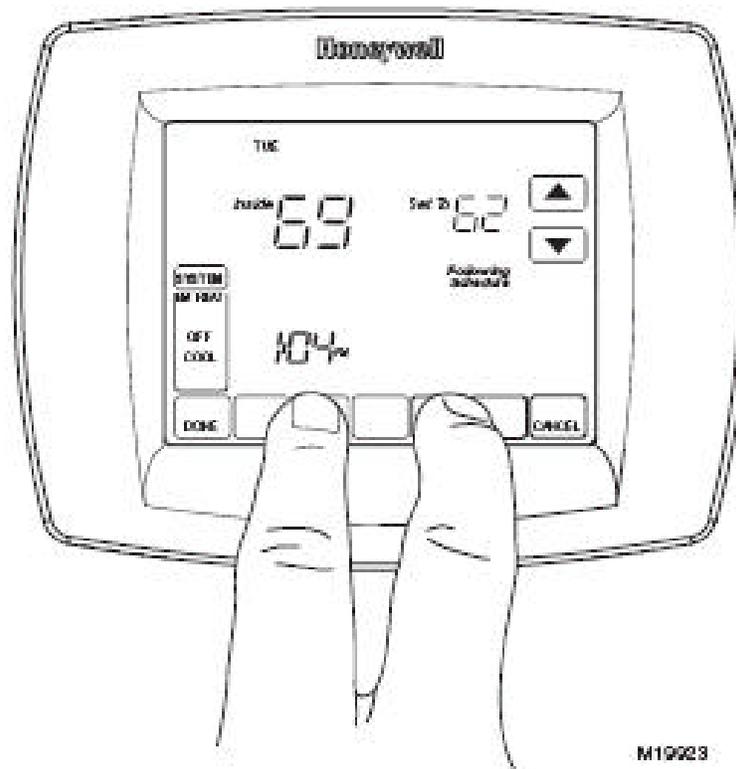
***It is necessary to enter this menu to set the thermostat to the type of system it is operating. Many applications use only the Main Menu.***

**Regional Menu:** Offers choices often changed due to a particular area or region. For example, temperature display in Fahrenheit or Celsius is offered in this menu.

**Advanced Settings Menu:** Offers more settings to fully customize the thermostat. Many of these settings do not require changing from the factory settings.

## Entering Installer Setup

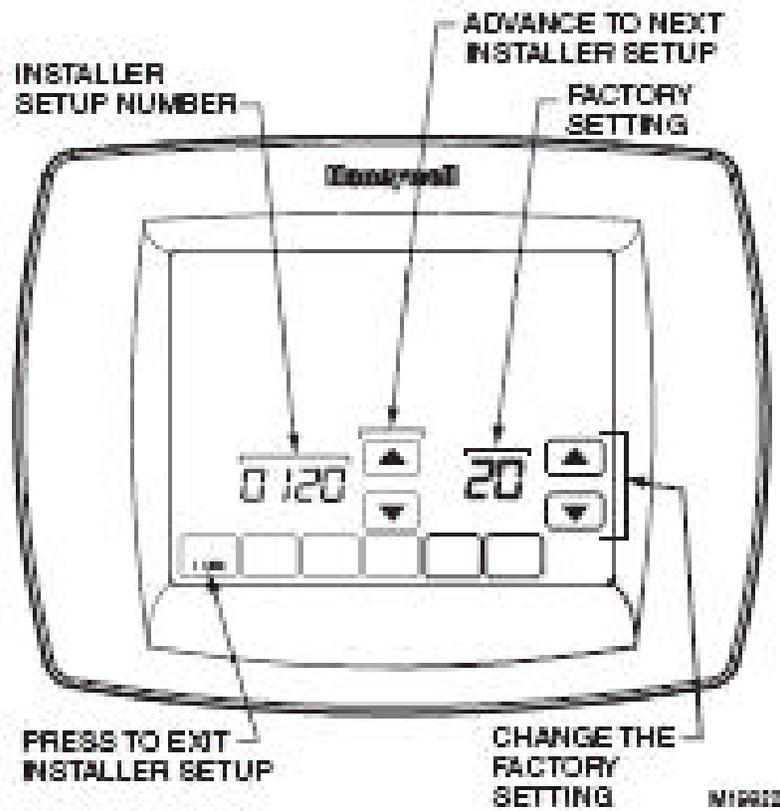
1. Thermostat must be powered either with Alkaline AAA batteries or with 24 Vac Common wire.
2. From the home screen, press System key. (Press Done or Cancel key to return to home screen.)
3. Five blank touch keys show on the bottom of the screen between the Done and Cancel keys. Press and hold the two blank keys on either side of the center blank key for approximately five seconds until screen changes. See Fig. 22.



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Fig. 22. Entering Installer Setup.

4. The Installer Setup Number is displayed in the lower left. It is a four-digit code beginning with zero. The factory setting or other choice selection is displayed in the lower right. See Fig. 23. This is a two-digit code shown in the Option column of Table 4.



**Fig. 23. Installer Setup Number and factory setting selection locations.**

### **Changing Installer Setup Selections**

1. Advance to the next Installer Setup Number by pressing the up and down arrow keys to the right of the four-digit Installer Setup Number. See Fig. 23.
2. Change the factory Setting Options by pressing the up and down arrow keys to the right of the two-digit code selection. See Fig. 23.

### **Exiting Installer Setup**

1. Press the Done key to exit the Installer Setup screen.

# TH8320U

Installer Setup Number	Description	Options
120	First 2 digits of the year	
130	Last 2 digits of the year	
140	Calendar Month	
150	Day of the Month	
160	Schedule Options	4=Programmable 0=Non-Programmable
170	System Type	1=1Ht/1Cl, 2=1Ht/1Cl Heat Pump 3=Heat only (no fan) 4=Heat only (with fan) 5=3-Wire Heating Zone Valve 6=Cool only, 7=2Ht/1Cl Heat Pump 8=2Ht/2Cl Conventional 9=2Ht/1Cl Conventional 10=1Ht/2Cl Conventional 11=2Ht/2Cl Heat Pump (no aux) 12=3Ht/2Cl Heat Pump
180	Fan Operation	0=Gas, 1=Electric
190	Reversing Valve	0=Cool, 1=Heat
200	Backup Heat	0=Elec, 1=Gas
210	Fossil Fuel Kit	0=Thermostat controls backup heat 1=External Fossil Fuel Kit
220	1 <sup>st</sup> Stg Compressor Cycles per hour	1-6 3 is recommended
230	2 <sup>nd</sup> Stg Compressor Cycles per hour	1-6 3 is recommended
240	1 <sup>st</sup> Stg Gas Heat Cycles per hour	1=Steam, 3=Hot Water or 90% 5=80%, 9=Elec
250	2 <sup>nd</sup> Stg Gas Heat Cycles per hour	1=Steam, 3=Hot Water or 90% 5=80%, 9=Elec
260	Aux Ht (3Ht/2Cl) Cycles per hour	1=Steam, 3=Hot Water or 90% 5=80%, 9=Elec

270	Emerg Ht Cycles per hour	3=Hot Water or 90% 5=80%, 9=Elec
280	Continuous Backlight	0=Auto, 1=Continuous
290	Additional Menu Choices	1=Main Menu, 2=All Options
300	Changeover Type	0=Manual, 1=Automatic
310	Heat/Cool Deadband	2-9°
320	Temperature Scale	0=Farenheit, 1=Celsius
330	Daylight Savings	0=Disabled, 1=Enabled
340	Remote Temperature	1=Outdoor for display 2=Outdoor for control 3=Indoor temperature
350	Compressor Lockout	15, 20, 25, 30, 35, 40, 45
360	Aux. Heat Lockout	40, 45, 50, 55, 60
500	Filter change reminder	0=off, 1=10 days, 2=30 days 3=60 days, 4=90 days 5=120 days, 6=365 days
510	Humidifier pad reminder	0=off, 1=90 days 2=180 days, 3=365 days
520	UV lamp reminder	0=off, 1=365 days
530	Adaptive Intelligent Recovery	0=off, 1=on
540	Number of Programmable Periods	4=Wake, Leave, Return & Sleep 2=Wake & Sleep
580	Min Compressor Off Time	0, 2, 3, 4, 5
600	Highest Heating Temperature	40-89
610	Lowest Cooling Temperature	51-99
640	Clock Format	12=12 hour, 24=24 hour
650	Extended Fan Time (Heat)	0 or 90
660	Extended Fan Time (Cool)	0 or 90
670	Keypad Lockout	0=unlocked, 1=partial lock 2=fully locked
680	Temperature Control (Heat)	1=less aggressive, 2=standard 3=more aggressive
690	Temperature Control (Cool)	1=less aggressive, 2=standard 3=more aggressive
700	Temperature Display Offset	-3, -2, -1, 0, 1, 2, 3
710	Thermostat Reset	0=no reset, 1=reset all options