vtech® | Hospitality

Installing E-Smart W960 Thermostat - No APP

Season's

PTAC or Heat Pump

BEFORE YOU BEGIN

If your Heat Pump configuration is something other than 1HP AuxH,2F or 1HP,2F you will need to utilize the EC Tool app to create a custom profile, then select “Adv. Config via App” in the TSTAT menu for the configuration.

LET’S GET STARTED

1

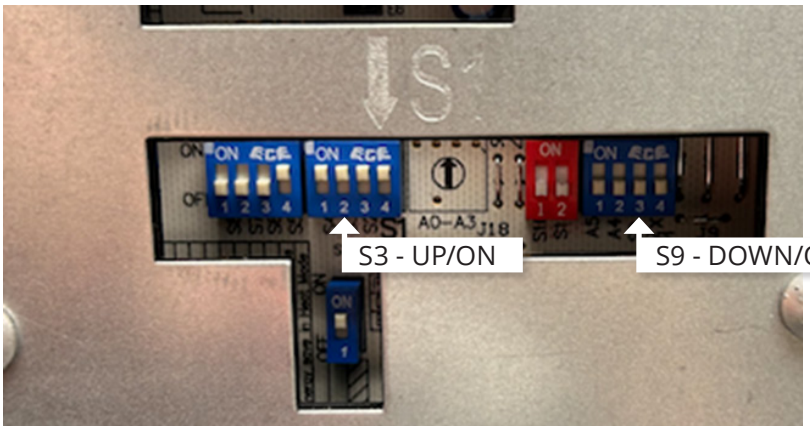
Power down the PTAC and remove the cover.

2

Using a Philips screwdriver, remove the cover panel to access the Wired Thermostat Terminal panel.

3

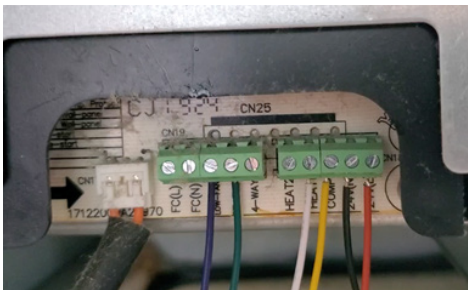
Using a precision screwdriver, change the Dip Switches positions for S3 (Up/On) and S9 (Dn/Off) to enable Wall Thermostat control. Note: Switch labels are located on the PCB, just below the switch assembly.



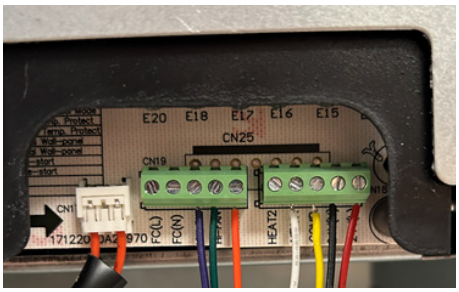
4

Attach the VTech Wiring Harness to the appropriate wired thermostat terminals.

Conventional PTAC – 1Heat / 1Cool / 2 Fan



PTHP – Heat Pump / Electric Heat / 2 Fan



5

Plug the VTech Wiring Harness into the Controller module. Press the connector firmly to ensure it snaps into place securely. Then, restore power to the PTAC/PTHP.

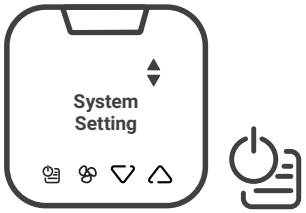
6

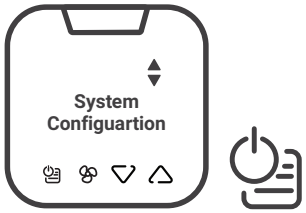
Install the batteries into the thermostat. Tap any key to wake the thermostat. The LED on the controller will change from alternating Green/Red, to solid green to indicate it is paired.

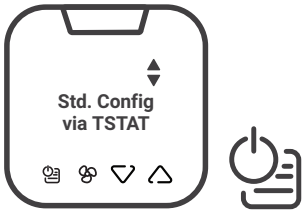
7

How to provision the W960 Thermostat using a standard on-board configuration (without the EC Tool app):

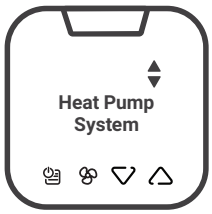
1. Install the 4 AAA batteries into the thermostat, you will see “System Setting” in the display, tap the Power/Menu key to select “System Configuration”, then tap Power/Menu again to select “Std. Config via TSTAT”:





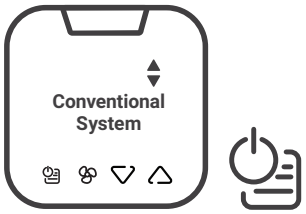


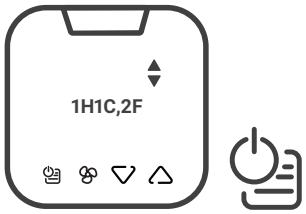
2. Use the Up/Dn arrows to select the type of PTAC you will be controlling. You can choose between “Conventional System” and “Heat Pump System”, then tap the Power/Menu key to select.



Note
If you have a conventional system, continue to step 3. For Heat Pump systems, please move to step 5.

3. **Conventional System** - Select the on-board profile for a Conventional single stage heat and single stage cool system with 2 fan speeds.





Note
If your conventional PTAC is not a 1 stage heat and 1 stage cool system, you will need to utilize the EC Tool app to create a custom profile, then select “Adv. Config via App” in the TSTAT menu for the configuration.

4. Select “Start Configuration” to install the default settings profile.

Once setup complete is displayed, continue to step 8 to set up Occupancy and the System Clock.

5. **Heat Pump System** – Select the on-board profile for your Heat Pump System, then select between the 2 supported heat pump configurations:

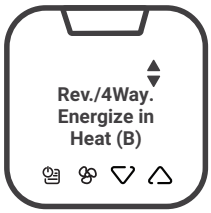
1 stage heat pump with auxiliary heat and 2 fan speeds

or

1 stage heat pump with 2 fan speeds

Note
If your Heat Pump configuration is something other than what is selectable above, you will need to utilize the EC Tool app to create a custom profile, then select “Adv. Config via App” in the TSTAT menu for the configuration.

6. Select the proper Reverse/4-way Valve setting for your heat pump system. Typically, the setting for Amana Heat Pumps will be Energize in Heat (B). You should verify this setting in your PTAC manual.



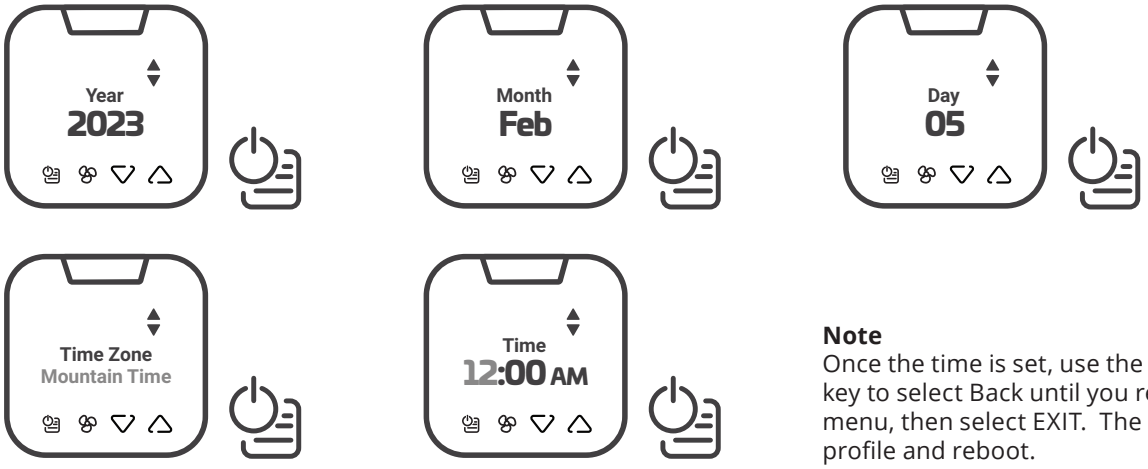
or

7. Select “Start Configuration” to install the default settings profile.

8

Set Occupancy Detection and System Clock - Once the profile is installed and “Setup Completed” has been displayed, you will set occupancy detection and the system clock:

Use Up/Dn arrows to change the selection, then Power/Menu to confirm. You will do this for Setting the date, time zone, and local time.



Note
Once the time is set, use the up/dn and menu key to select Back until you reach the main menu, then select EXIT. The unit will save the profile and reboot.

9

Test your system-Tap any key to wake, then use UP/DOWN arrows to adjust the target temperature. Verify heat first, then cool.

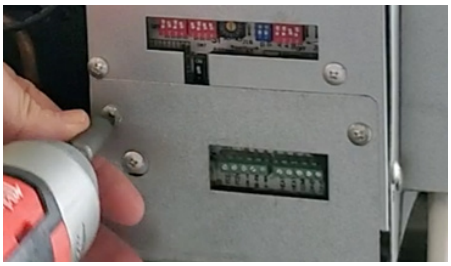
Note
Short-cycle protection will prevent the compressor from activating for ~3 minutes after power up.

10

Mount the controller to the PTAC chassis and secure wiring. Cover/protect unused wire leads. Route the wires so they do not sag into the condensation pan.

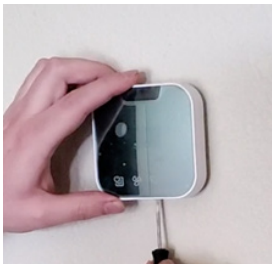
11

Replace the cover panel and cover.



12

Use the included mounting hardware to mount the thermostat wall plate to the wall, then secure the thermostat to the wall plate using the security screw. The installation is complete.



Default Settings
Conventional 1H1C,2F

OPTION	DEFAULT
Compressor short cycle	On
Scale	F
Room temp. calibration	0°F
1st Stage Differential (Heat)	0.5°F
1st Stage Differential (Cool)	0.5°F
Comfort setpoint	74°F
Auto mode deadband	6°F
Auto mode setpoint (Max)	80°F
Auto mode setpoint (Min)	65°F
Heating mode setpoint (Max)	80°F
Heating mode setpoint (Min)	65°F
Cooling mode setpoint (Max)	77°F
Cooling mode setpoint (Min)	64°F
Override mode	ON
Override time out	30min(s)
Protection setpoint	OFF
Fan speed	2 speed
Key tone	ON
Confirmation tone	OFF
Error tone	ON
Reset tone	ON
Sensor (PIR)	ON OFF
Current PIN code on thermostat	0000
Reset PIN code to thermostat	/

Default Settings
Heat Pump with Aux Heat, 2 Fan

OPTION	DEFAULT
Compressor short cycle	On
Scale	F
Room temp. calibration	0°F
1st Stage Differential (Heat)	0.5°F
2nd Stage Differential (Heat)	2°F
1st Stage Differential (Cool)	0.5°F
Comfort setpoint	74°F
Auto mode deadband	6°F
Auto mode setpoint (Max)	80°F
Auto mode setpoint (Min)	65°F
Heating mode setpoint (Max)	80°F
Heating mode setpoint (Min)	65°F
Cooling mode setpoint (Max)	77°F
Cooling mode setpoint (Min)	64°F
Override mode	ON
Override time out	30min(s)
Protection setpoint	OFF
Fan speed	2 speed
Key tone	ON
Confirmation tone	OFF
Error tone	ON
Reset tone	ON
Sensor (PIR)	ON OFF
Current PIN code on thermostat	0000
Reset PIN code to thermostat	/

Default Settings
Heat Pump, 2 Fan

OPTION	DEFAULT
Compressor short cycle	On
Scale	F
Room temp. calibration	0°F
1st Stage Differential (Heat)	0.5°F
1st Stage Differential (Cool)	0.5°F
Comfort setpoint	74°F
Auto mode deadband	6°F
Auto mode setpoint (Max)	80°F
Auto mode setpoint (Min)	65°F
Heating mode setpoint (Max)	80°F
Heating mode setpoint (Min)	65°F
Cooling mode setpoint (Max)	77°F
Cooling mode setpoint (Min)	64°F
Override mode	ON
Override time out	30min(s)
Protection setpoint	OFF
Fan speed	2 speed
Key tone	ON
Confirmation tone	OFF
Error tone	ON
Reset tone	ON
Sensor (PIR)	OFF
Current PIN code on thermostat	0000
Reset PIN code to thermostat	/