

Installing E-Smart W960 Thermostat

GE Zoneline® AZ45 & AZ65 Series

PTAC or Heat Pump



BEFORE YOU BEGIN

Search the Google Play store for the “VTech EC Tool” app or scan the QR code below to access the app and installation documents on the VTech site. Download and install the app (.apk file) on your Android smartphone or tablet.



Open the EC Tool app, tap menu > profiles, then follow the prompts for creating a customized profile for your PTAC or Heat Pump. This profile will be used later to provision your thermostats.

Note: You must create separate profiles for Conventional PTACs vs Heat Pumps for the unit to function properly.

Be sure to have a USB-C to USB-C cable as you will need to connect your smart device to the USB-C input terminal on the thermostat for provisioning.

LET'S GET STARTED

1

Verify the unit is functioning properly using the face controls prior to installing the thermostat. Power down the PTAC and remove the cover.



2

Locate the Thermostat Wiring Connector that was shipped with your Zoneline unit. This is typically located in the basepan area just below the control box.

3

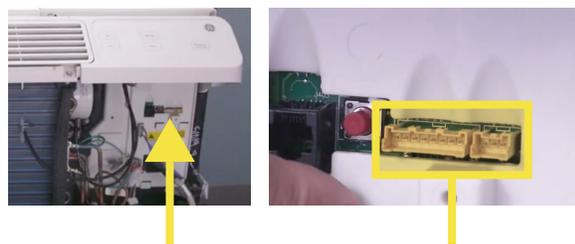
Using wire-nuts, attach the supplied VTech Wiring Harness to the corresponding wires to the Zoneline Thermostat Wiring harness.

VTech to Zoneline Harness Connection

VTech Controller Wire Harness	GE Zoneline Wire Harness
Red (24VAC)	Red—R—24VAC
Black (Common)	Black—C—Common
Purple (Fan Low)	Tan—GL—Fan Low
Green (Fan High)	Green—GH—Fan High
White (Aux Heat)	White—W—Aux Heat
Orange (4-Way/Rev)	Blue—B—Reverse Valve
Yellow (Compressor)	Yellow—Y—Compressor
Brown (Occ Out)	N/A

4

Once the wiring harnesses are connected, plug the Zoneline harness connector into the connector socket on the Zoneline unit. This socket is located just to the right of the red Aux Set button.



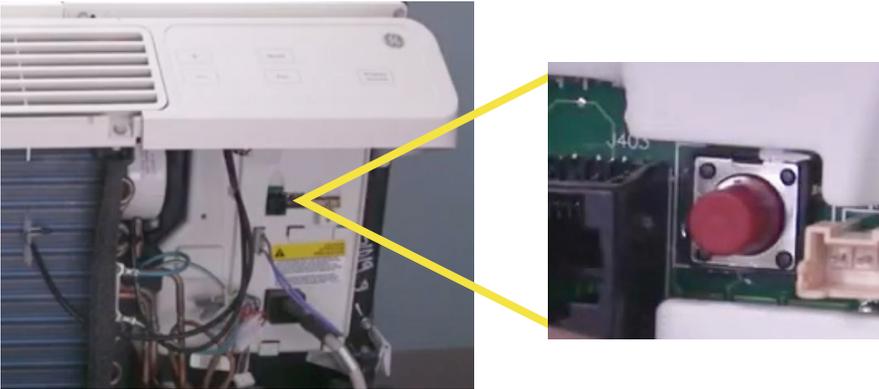
5

Plug the VTech Wiring Harness into the Controller module and press the connector firmly to ensure it snaps into place. Restore power to the PTAC/PTHP.



6

With the unit connected to power but in OFF mode, update the Auxiliary Control menu to enable “Wired Thermostat” functionality:



1. Press the red Aux Set button.
2. Using the face controls, press Mode button until the first digit in the display shows MODE 6 (Remote Thermostat).
3. Using the face controls, press the Up arrow to turn this option ON, then press again to select 6A (Auto changeover thermostat).
4. Press the red Aux Set button again to save the setting and exit the configuration mode.

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Now that the VTech Controller is wired to the Amana unit and it is configured to be controlled by a wired thermostat, install the batteries into the thermostat. The LED on the controller will change from alternating Green/Red, to solid green to indicate it has established communication.



IMPORTANT NOTE

The W960 thermostat comes preregistered to the controller. Be sure not to mix the units when removing them from the packaging. Additionally, avoid pressing the pairing button on the controller as this can delete the registration requiring you to re-pair the thermostat and controller.

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Prepare the thermostat for configuration:

1. Tap Menu icon to wake the thermostat.
2. Use Menu and up/down to select:
System Settings > System Configuration > Adv Config via App > Plug cable for setup



3. Plug the USB-C cable into the thermostat.



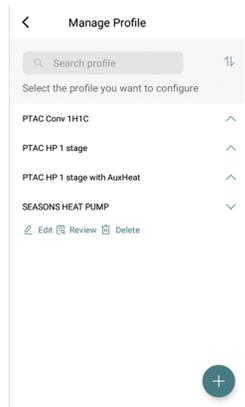
9

Using the App, provision the thermostat:

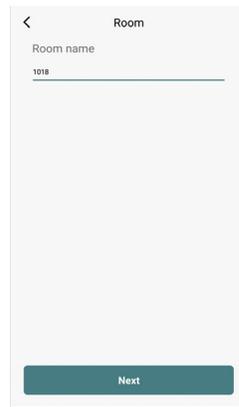
Tap installation to begin



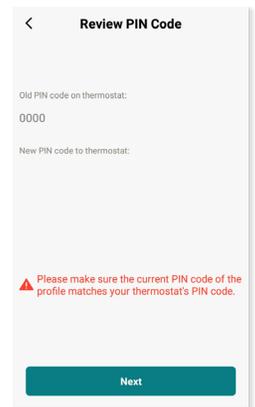
Select a stored profile



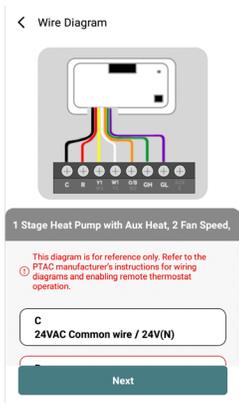
Assign room number (optional)



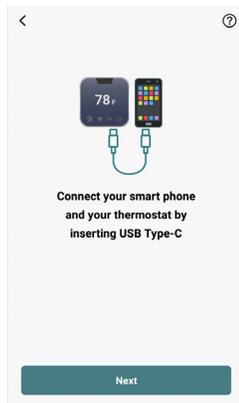
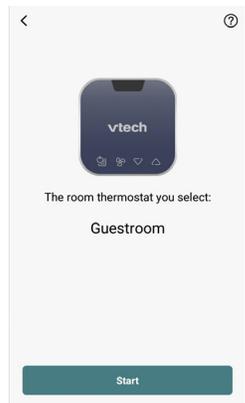
Verify security pin



Confirm wiring diagram



Tap start to begin



Once setup is completed, remove the cable and the thermostat will reboot.

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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.



11

Mount the controller to the Zoneline chassis and secure the wiring. Cover/protect unused wire leads. Route the wires so they do not sag into the condensation pan. Finally, replace the cover to the unit.



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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.

