

Programming Mode Options

Menu ID	Description (defaults listed in bold)
01	Temperature Display 00: Celsius 01: Fahrenheit
02	Heat System Type 00: Non-Heat Pump 01: Heat Pump
03	Heat Source 00: Electric 01: Gas / Oil / Fuel
04	Temperature Calibration ± 2.5 Celsius ± 4.5 Fahrenheit
05	Set Minimum Heat Point Default: 44°F, 7°C
06	Set Maximum Heat Point Default: 86°F, 30°C

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07	Set Minimum Cool Point Default: 44°F, 7°C
08	Set Maximum Cool Point Default: 86°F, 30°C
09	Set Minimum Deadband Default: 1.8°F, 1.0°C
10	Sequence of Operation 00: Cool Only 01: Cool w/ Reheat 02: Heat Only 03: Heat w/ Reheat 04: Full Auto 05: Full Auto w/ Reheat
11	Easy Mode 11: Yes
12	Join Network 01: Yes
13	Leave Network 11: Yes
14	Rejoin Network 01: Yes
15	Detect System Type 01: Yes
16	Reset 01: Yes

17	Factory Reset 11: Yes
18	Display Configuration and Network Settings
19	Reset Counter
20	Standby Display Brightness 0-99

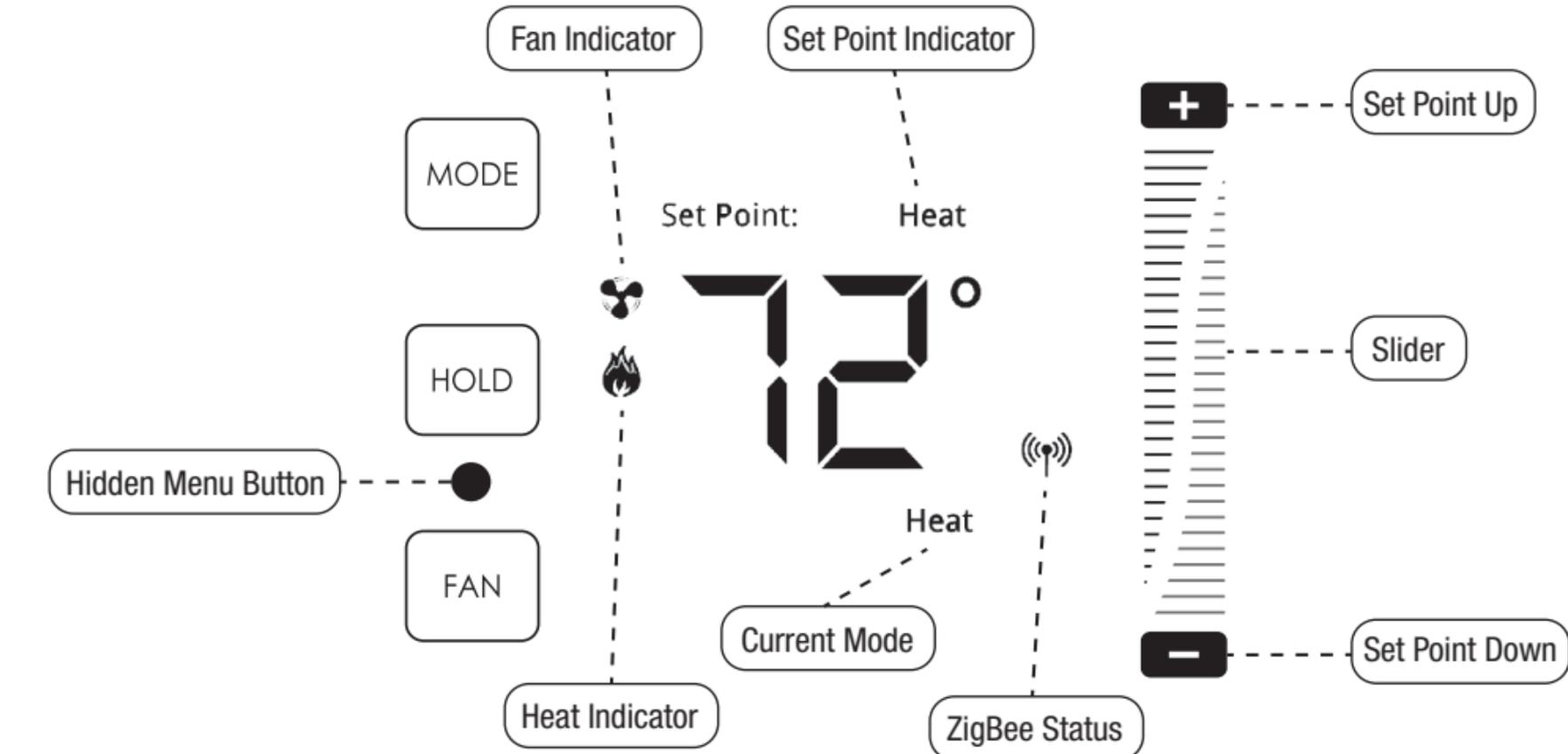
Joining the Thermostat to Your ZigBee Network

Note: The thermostat is configured to automatically search for open ZigBee networks upon power-up for 90 seconds.

Complete the following steps to join the thermostat to your ZigBee network:

1. Open your ZigBee touchscreen, router, or gateway for joining.
2. On the thermostat, enter programming mode and navigate to menu option 12, press **HOLD** to enter the "Join Network" menu, press **(+)** to display "01", then press **HOLD** again to begin searching for an open network.
3. The thermostat should now pair with your ZigBee network. Follow any on-screen prompts from your ZigBee touchscreen, router, or gateway to complete setup.

Thermostat Overview



TOUCH THERMOSTAT



3157100

INSTALLATION GUIDE

The following instructions are to assist you in connecting this thermostat to your home's electrical, heating and cooling systems.

Location of Thermostat

If replacing an existing thermostat, use the existing thermostat's location.

For new installations, follow these suggestions:

- Locate the thermostat about 5 ft. off the floor away from direct sunlight, lamps, radios, televisions, fireplaces, hot water pipes, or other heating or cooling sources.
- Do not locate the thermostat near doors to the outside or windows.
- Do not locate the thermostat in a damp area.
- Do not locate the thermostat in an area that lacks air circulation.

Removing Existing Unit

1. Switch OFF the electricity to the HVAC unit.
2. Remove the cover to the existing thermostat
3. Make a note of the terminal location for each wire connected to the thermostat wiring terminals. Wire colors are not standard so it

is important to note the terminal label each wire is connected to on the existing thermostat.

4. While removing each wire from the existing thermostat wiring terminal, make sure to secure the wire so that it does not fall back into the wall.
5. Once all wires are removed from the existing thermostat wiring terminal, remove the existing thermostat from the wall.
6. Make sure to leave at least 3" of wire for each connection onto the thermostat wiring terminal.
7. Remove 1/8" insulation from the end of each wire.

Installing the Thermostat

This installation requires connecting wiring between your home and thermostat. We recommend using the included adhesive labels. As you identify each wire (i.e. Fan, Common, Cool Control), attach the appropriate label to ensure you match the right wire with the proper wire terminal.

For additional assurance, or if you prefer not to perform this task, consult an electrician or licensed HVAC professional.

Place each wire in the appropriate wire terminal. The wiring terminal is labeled as follows:

Cool Control / Compressor	Y1	B	Heat Pump c/o (+ in heat)
Fan	G	O	Heat Pump c/o (+ in cool)
Heat Control	W1	W2	2nd Stage Heat / Aux. Heat
Power from Cooling	RC	Y2	2nd Stage Cool Control
Power from Heating	RH	C	Common

If you have separate power for RH and RC then you will need to remove the factory installed jumper between RH and RC.

Many systems do not provide a "C" common wire, so 4 AA batteries must be installed before the unit will operate.

After you have made the necessary connections and have mounted the new thermostat to the wall, turn on the breakers to your HVAC system.

NOTE: This thermostat is equipped with an auto-sensing mode that detects your system type by the wiring connections made. The thermostat will display "E0" until the unit has been properly connected and reset (by pulling front panel off and re-attaching).

Configuring the Thermostat

From the factory the thermostat comes configured to work with single-stage cool, single-stage gas heat (non-heat pump), single speed fan systems.

If your HVAC system is different, refer to the programming section to configure the thermostat for your system.

Entering Programming Mode

First, press the **MODE** button until "off" is displayed. Then swipe one finger down the right slider while holding the empty space between the **HOLD** and **FAN** buttons. The display will change to "01" to indicate that you are in programming mode.

Navigating Programming Mode

HOLD Enter Menu / Save Settings

MODE Exit Menu Item
(+) and **(-)** Cycle Menu Options / Settings

Programming Thermostat for a Heat Pump

1. Enter programming mode.
2. Press **(+)** until the display reads "02".
3. Press **HOLD**, then press **(+)** until the display reads "01"...then press **HOLD** again to save changes.
4. Tap the **MODE** button until the thermostat display returns to its normal state.

Auto-sensing Mode

Based on the wiring configuration from the "Installing Your Thermostat" section, the thermostat automatically detects which type of heat pump system your HVAC system utilizes. If a heat pump system is not detected, the thermostat will configure itself for gas/oil heat.

Programming Thermostat for Electric Heat

1. Enter programming mode.
2. Press **(+)** until the display reads "03".

3. Press **HOLD**, then press **(+)** until the display reads "00"...then press **HOLD** again to save changes.
4. Tap the **MODE** button until the thermostat display returns to its normal state.

Testing Thermostat Operation

1. After completing any necessary configuration, make sure the thermostat is in Cool mode by pressing the **MODE** button until "Cool" appears on the main display.
2. Make sure the system is not calling for Cooling by setting the set-point several degrees above the room temperature. Then check the Fan operation by pressing the **FAN** button. When the Fan indicator is illuminated without the Auto indicator then air should blow from the unit.
3. Make sure the Fan mode is in Auto and run the set-point temperature at least several degrees below the room temperature. Give the thermostat at least 3 minutes to respond.
4. Change the system mode to HEAT. Allow the system at least 3 minutes to respond. The Heat mode symbol (flame) should illuminate and the system should be blowing hot air.