

SMART HOME MONITORING



# Smart Thermostat

Manufacturer's Installation Guide

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1. Smart Thermostat
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# Important installation steps

1. Remove the existing thermostat.
2. Install the Smart Thermostat using the manufacturer's installation guide provided in the box.
3. Once the Smart Thermostat has been physically installed and tested for proper functioning with your furnace and A/C, you may continue to the setup procedure.
4. Please see below for details on wiring, configuring, programming and testing the thermostat.

# Wiring the Thermostat

Press the Set Point Up atop the slider (+), to change it to 01 and press HOLD to enter. The Smart Thermostat will start scanning for your system, the green Zigbee status indicator on the Smart Thermostat will start to flash.

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

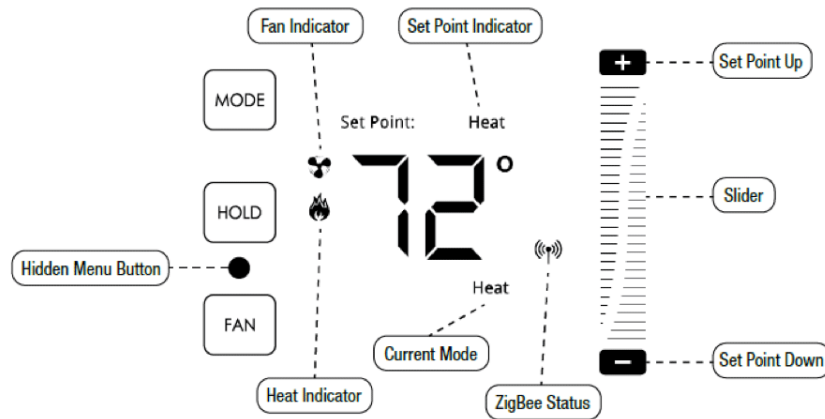
If you have separate power for RH and RC then you will need to remove the factory installed jumper between RH and RC. Many systems do not provide a “C” common wire, so 4 AA batteries must be installed before the unit will operate. After you have made the necessary connections and have mounted the new 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 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.

# Programming Thermostat for a Gas or Oil Heat

1. Enter programming mode.
2. Press (+) until the display reads “03”.
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.

# 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.