

CHV-TSTATRF

infiNET™ Thermostat System

quickstart guide

1 Mounting

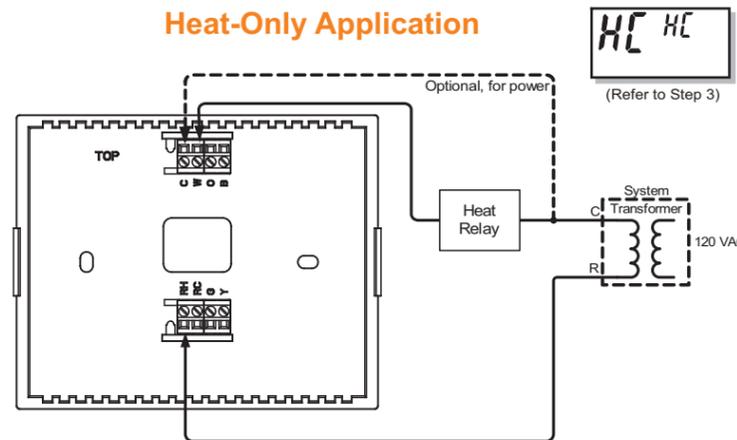
Mount the thermostat directly to drywall or to a single-gang box in accordance with accepted building codes and practices. If using the single-gang box, be sure to fill it with thermal insulation material.

For additional details and installation options, refer to the latest version of the Crestron CHV-TSTATRF Operations & Installation Guide, Doc. 6490.

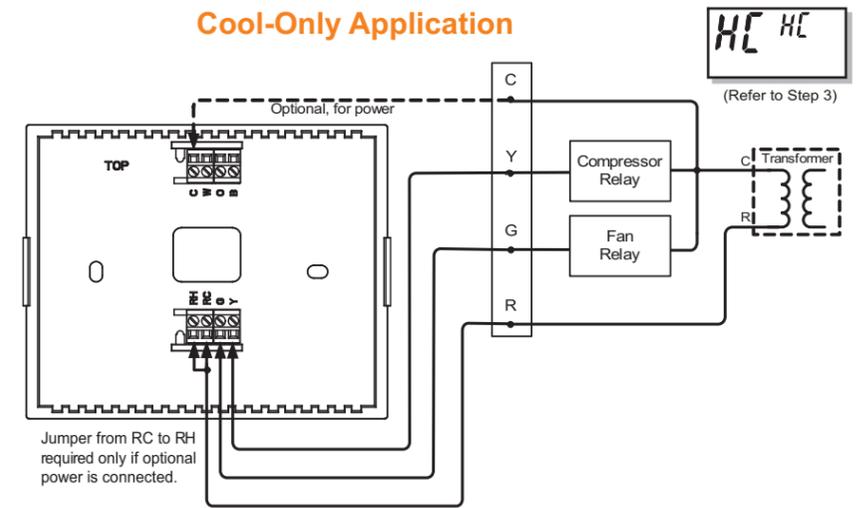
2 Connections

Connect the thermostat using the five most typical wiring configurations shown below as a guide. For more information, refer to the Operations & Installation Guide, Doc. 6490.

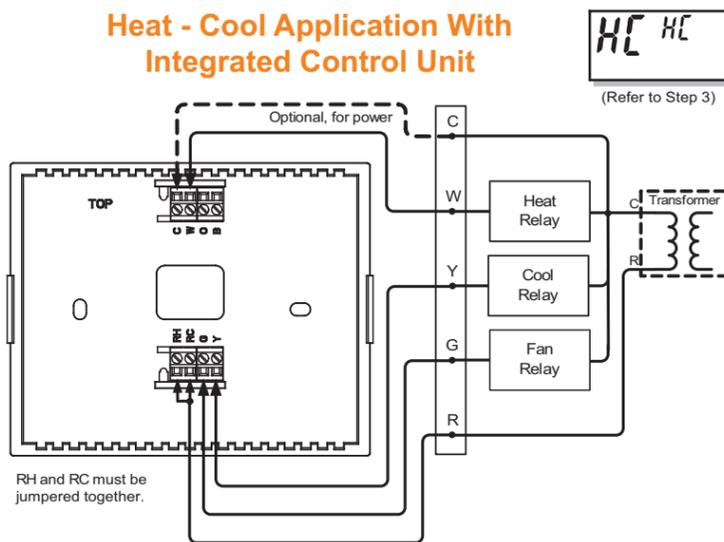
Heat-Only Application



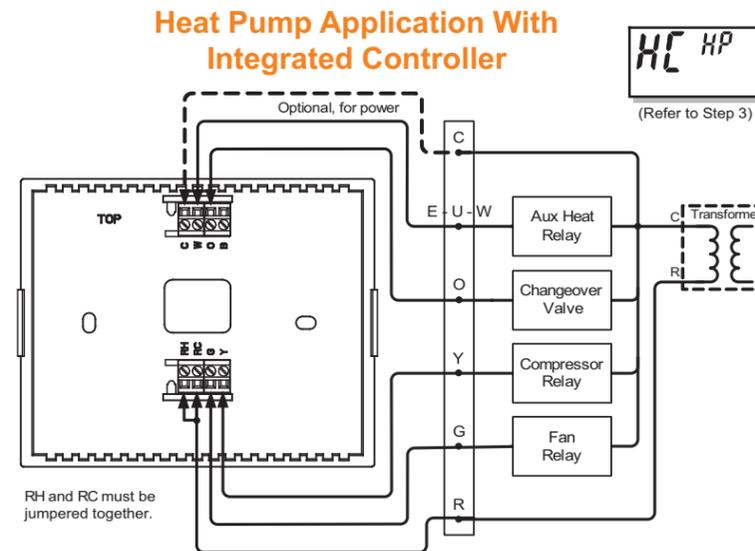
Cool-Only Application



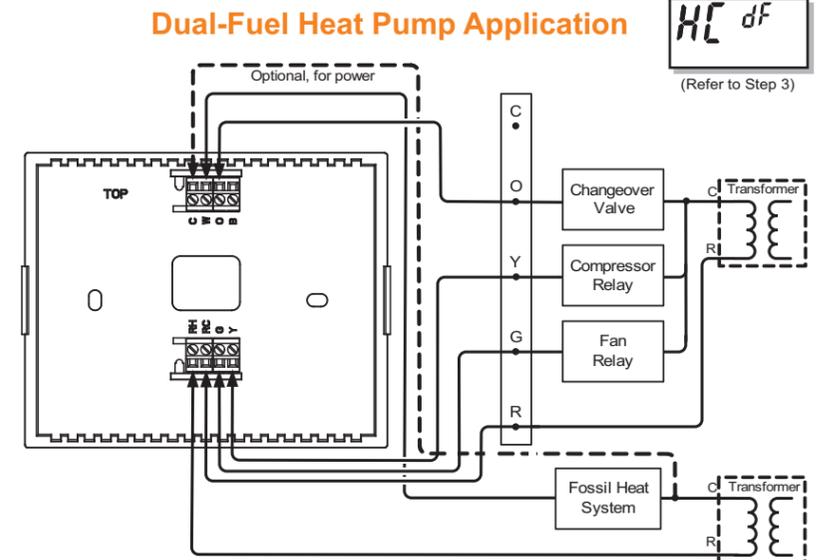
Heat - Cool Application With Integrated Control Unit



Heat Pump Application With Integrated Controller



Dual-Fuel Heat Pump Application



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3 Basic Thermostat Setup

Install two AA batteries in the battery compartment.¹

To enter *Setup* mode², press and hold **FAN**, then simultaneously press and hold ▲ and ▼ for about five seconds. The display shows the Temperature Scale function (FC).



Use ▲ or ▼ to choose the temperature units: F (Fahrenheit), C1 (Celsius, whole degree set points), or C2 (Celsius, half degree set points). Then press **MODE** twice until the Heat/Cool function is displayed (HC).

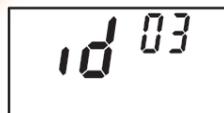


Use ▲ and ▼ to choose between *Heat/Cool* (HC), *S* (HP), and *Dual-Fuel Heat Pump* (dF) functions. Then press **MODE** repeatedly until the Power Source function is displayed (Po).

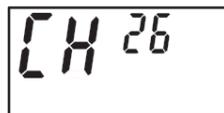


Use ▲ and ▼ to choose between 24V always available (24) and "steal power" (SP) modes.

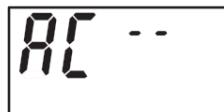
4 Basic infiNET™ Setup



In *Setup* mode, press **MODE** until the infiNET ID (MNET ID) function is displayed (id). Use ▲ and ▼ to choose the infiNET ID. Press **MODE** to select the infiNET RF Channel (CH). Note that the function displays shown here are not consecutive.



Use ▲ and ▼ to choose 11 - 26 for fixed-channel operation, (AU) for auto channel, or (0) to disable the radio. Press **MODE** until the Start infiNET Acquire function is displayed (AC).



Press **Acquire** on the gateway: the **Acquire** LED should light. Press ▲ or ▼ to start the acquire process: display shows flashing -- (in progress). When finished, display shows 00 (finished, found gateway) or E# (finished, could not find gateway), where # represents an error code.

After the process is complete, press **Acquire** on the gateway again to exit the *Acquire* mode. Press **FAN** on the thermostat to exit *Setup* mode.

5 System Modes and Fan Operation

Press the **MODE** button to cycle the unit through available modes: *Off*, *Heat*, *Emergency Heat* (for heat pump and dual-fuel systems), *Cool*, and *Auto*.^{2,3}

- Mode changes take place upon release of the **MODE** button.
- The selected mode becomes operational three seconds after the mode has been entered.

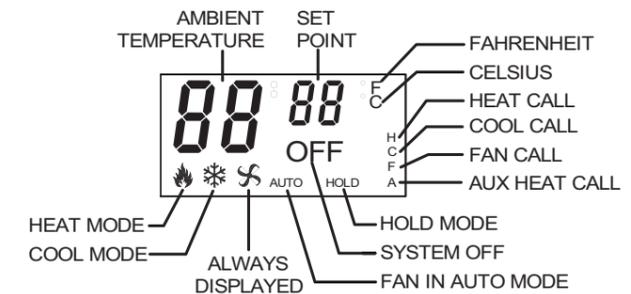
Press the **FAN** button to toggle between *Fan Auto* and *Fan Always On* modes.

- The fan icon is always displayed. (It may blink to indicate an infiNET communication problem.)²
- When set to *Fan Auto*, the fan operates only when there is a cool or heat call.^{2,4}
- In system *Off* mode, the fan will still run if set to *Fan Always On* mode.

Press **MODE** and **FAN** simultaneously to enter *Hold* mode. *Hold* mode ignores scheduled set point values from the control system.

Use the ▲ and ▼ buttons to choose the desired temperature set point.

Thermostat Display Key



Typical Heat Mode Display



Typical Emergency Heat Mode Display



Typical Cool Mode Display



Typical Auto Heat/Cool Mode Display



Typical Off Mode Display

1. Expected battery life is 1 year using quality alkaline batteries.
 2. Refer to the Operations & Installation Guide, Doc. 6490, for detailed information on setup and operating modes.
 3. Thermostat firmware v1.005.0005 or later required for *Auto Mode* support. *Auto Mode* must be enabled via *Setup Mode*.
 4. Fan will only run during heat calls if the thermostat has been configured to do so.