



THIS MANUAL MUST BE LEFT WITH THE HOMEOWNER FOR FUTURE REFERENCE

iComfort Wi-Fi® Flex Thermostat Kit (11U61)  
INSTALLATION INSTRUCTIONS

iComfort Wi-Fi®  
Thermostat, Screen,  
7-Day Programmable



**NOTICE**

Before beginning installation, note the type of equipment, number of stages, and any accessories being installed. The thermostat is a 24VAC Class 2 thermostat and requires a common wire to the thermostat to operate.

**NOTE: Return mercury-switch thermostats, intact, to participating recycling wholesalers at hundreds of locations across the nation. For a list of participating wholesalers, see [www.nema.org/trc](http://www.nema.org/trc). If your wholesaler is not participating, ask them to start now.**

**DO**

- Shut off all power to system before installing.
- Read this entire document, noting which instructions pertain to your equipment & system requirements. Also consult the included thermostat Installer's setup guide.
- Make sure that all wiring conforms to local and national building and electrical codes and ordinances.
- Use 18 gauge thermostat wire or larger.
- Install all sensors and accessories before powering up.

**DO NOT**

- Install on voltages higher than 30VAC.
- Install on outside walls or in direct sunlight.
- Install in commercial applications unless used with approved split-system matches.

**⚠WARNING**

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life.

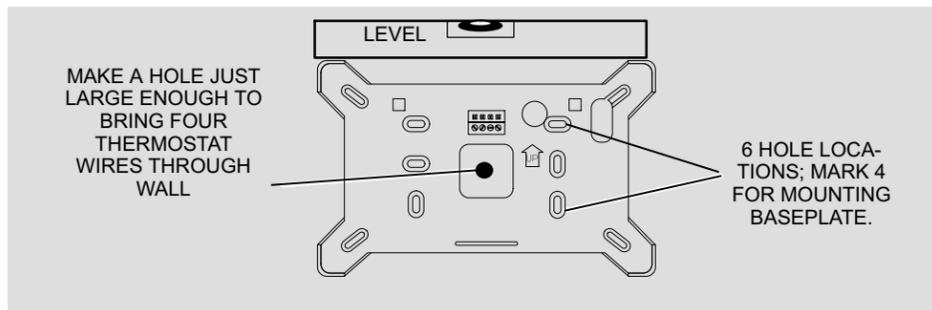
Installation and service must be performed by a licensed professional HVAC installer (or equivalent) or service agency.

**Installation**

1. Unpack the thermostat and separate the baseplate from the thermostat by using hand slot (shown in figure 4) and pulling apart, tilting away from the top. Open to 45 degrees and separate the two halves.
2. When determining the location for the thermostat, be sure it is in an area near enough to the homeowner's router to ensure good communications signal between the thermostat and the router. (**Hint:** use a smart phone with Wi-Fi to find and determine signal strength.)
3. Install thermostat using wall mounting instructions (figures 1 through 4).
4. Connect wiring between thermostat, indoor unit, and outdoor unit and other devices as shown in the wiring diagrams (figures 5).

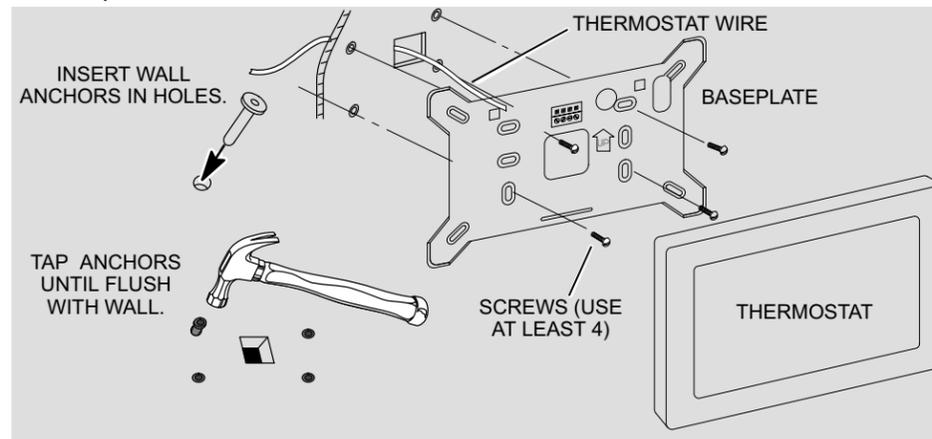
**Wall mounting instructions**

- A. Use a level to align the thermostat baseplate against the wall where the thermostat will be installed (see figure 1). Mark an appropriate hole location on the wall for routing the wires and mark (4) mounting holes at the same time.



**Figure 1. Hole locations**

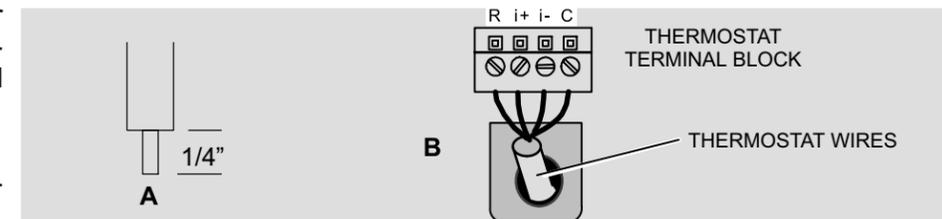
- B. Drill (4) 3/16" holes in wall for anchors. Insert wall anchors in holes (see figure 2) and tap the anchor until flush with the wall.



**Figure 2. On-wall mounting**

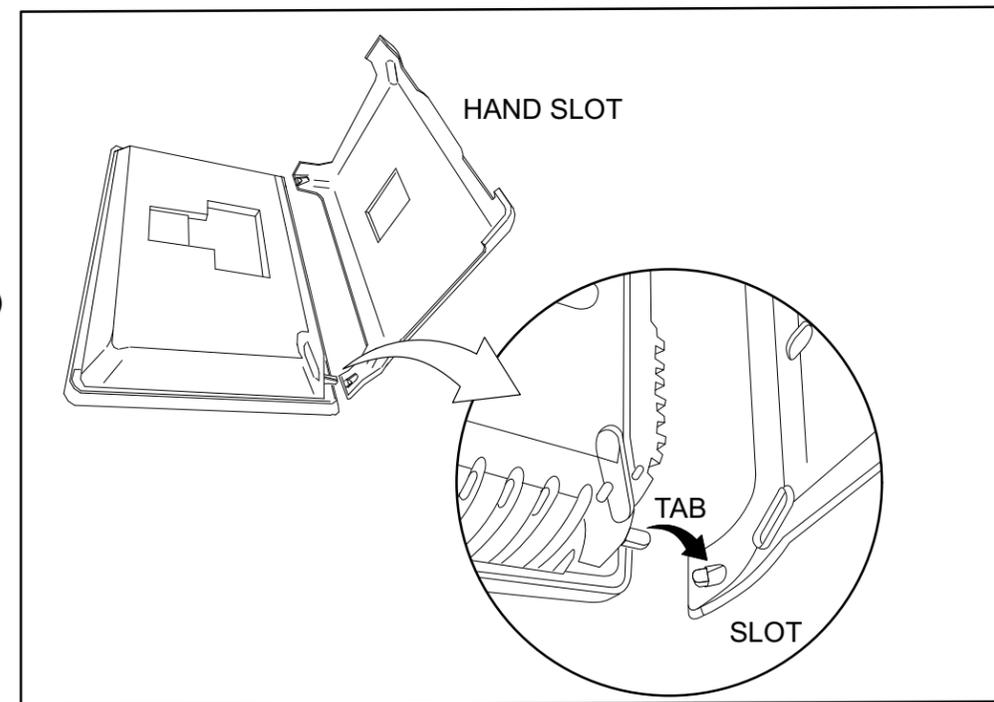
- C. Route the thermostat wire and feed approximately six inches of wire through the hole and into the room.
- D. Feed the thermostat wires through the opening in the baseplate. Align the thermostat mounting bracket with the anchors and fasten to wall with four screws being sure to maintain level.

- E. Trim 1/4" insulation from end of each wire (figure 3, wiring detail A). Insert the trimmed ends of the wires in the appropriate holes on the bottom of the thermostat's terminal block and tighten the screws to secure the wires (figure 3, wiring detail B).



**Figure 3. Wiring details**

- F. After running the thermostat wire through the hole, seal to prevent air from the wall cavity from affecting the thermostat's temperature sensor.
- G. Align the tabs on the thermostat with the slots on the base, holding it at about a 45 degree angle to the wall. When the tabs seat into the slot, rotate the thermostat upward until it snaps into place (see figure 4).



**Figure 4. Installing thermostat onto bracket**

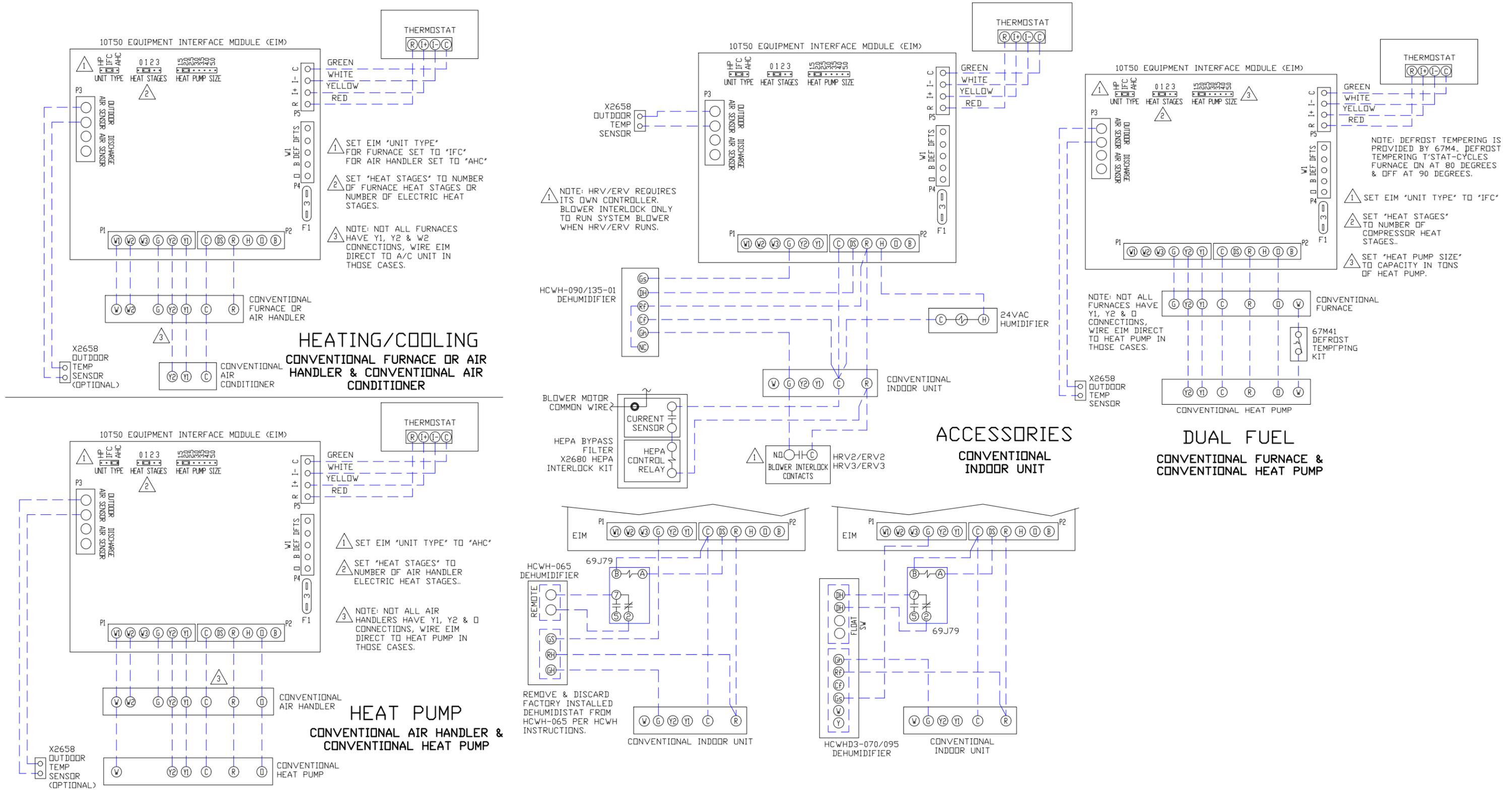


Figure 5. Wiring Diagrams