

Figure Smart Thermostat Installation Guide

Important Requirements and compatibility:

The A1-730 thermostat is designed for the popular single-stage 24VAC systems most commonly used in forced-air, heat-pump, and hydronic systems.

WARNING: DO NOT connect this thermostat to voltages higher than 24 Volt AC, such as: base-board heaters, line/high-voltage fan-coil, or systems with transformers providing higher than 24VAC. Improper use of this device can result in personal injury, and/or property damage.

If you have doubts about your ability to install this thermostats, consult a qualified technician.

Installation Steps

- 1. Turn off your existing system and disconnect the power:** Perform this via the circuit breaker or the dedicated furnace power switch if there is one. Verify this by trying to turn the system on.
- 2. Remove the old thermostat, leaving the wall-plate in-place:** Remove the body of the old thermostat and leave the wall-plate connected for now.
- 3. Record the existing wiring set up:**

Write down the existing wiring set up by recording what color wire goes to what terminal on the wall-plate. The terminal on the old thermostat's wall-plate should have letter markings. Below is a typical set up:

| Wire Colour | Terminal Letter | Common Use |
|----------------|-----------------|-----------------------------|
| Black or Blue | C | Thermostat Power |
| Red | R | 24V power from furnace |
| Red | Rh | 24V power dedicated to heat |
| Red | Rc | 24V power dedicated to cool |
| White | W | Heat Signal |
| Green | G | Fan Signal |
| Yellow | Y | Air Conditioner Signal |
| Usually Orange | O, or (O/B) | Heat-Pump Reversing Valve |
| Usually Brown | B, or (O/B) | Heat-Pump Reversing Valve |

If there are more wires attached:

If additional wires connected to the old thermostat terminals such as W2,Y2, X, etc it most likely means your system is not a single-stage system and not compatible with the A1730 Smart Thermostat. If the only additional wire you see connected is marked W2 (second stage heat), it may be possible that your furnace supports both single and two-stage heat and still compatible with A1730. Consult the owners manual for your furnace for more details.

4. Remove the old thermostat wall-plate: After you have finished labelling the old thermostat wiring, disconnect the wires from the old thermostat's wall-plate and un-fasten it from the wall.

5. Detach A1730 Smart thermostat's wall-plate:

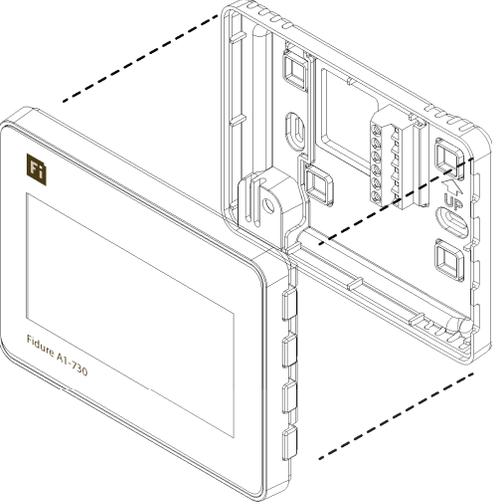
Gently separate the wall-plate portion from the main body of your thermostat by slowly pulling them apart. The two parts are snug-fit together and prying them does not require any tools.

6. Install the A1730 Smart thermostat's wall-plate:

Secure the wall-plate to the wall using the drywall anchors and screws provided or use specific fasteners for your wall construction material.

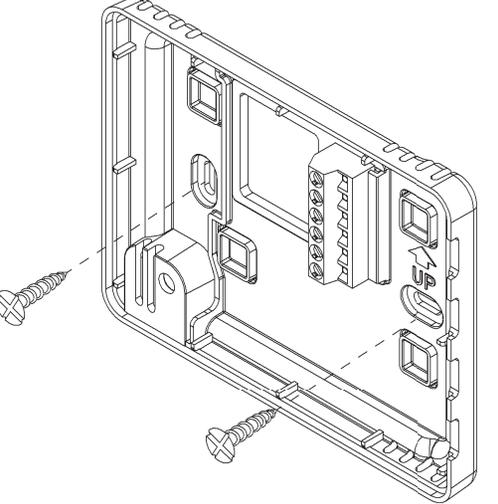
7. Connect the wires to the terminal: Connect the

wires to the terminal connector matching your existing marked wire to the terminal letter on the thermostat.



Use a small flat-head screw driver to tighten the terminal screw and secure each wire.

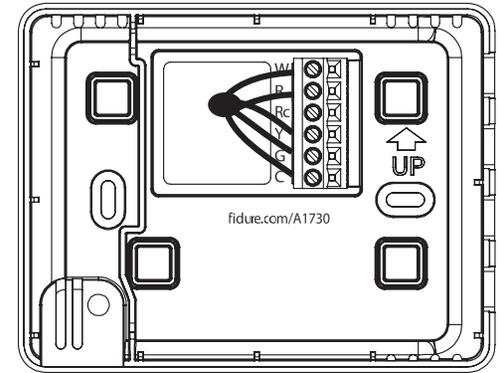
If your wiring has two wires marked 'R', or 'Rh/Rc', connect R or



Rh wire to the R terminal on the thermostat, Rc wire to Rc terminal and remove the metal jumper connecting the R and Rc on the thermostat.

If your wiring has only one wire marked R, connect it to R terminal and leave the jumper installed.

If your wiring has a wire marked, O or B and no W, connect it to the W terminal (in this case, remember to correctly choose your heat-pump in the thermostat settings menu after the install is complete).



Once all of the necessary wires are attached to the terminal, tidy up the wires by pushing the excess wire lengths back in to the wall cavity and remove any unnecessary knots or loops that might get in the way.

Double check to make sure the stripped portion of the wires are not touching each other causing a short-circuit.

8. Attach the thermostat main body to wall-plate:

Once you have completed connecting the wires, align the thermostat main body with the wall-plate and gently push around the frame to fit the body on to the wall-plate.

If a gap persists and does not close, do not force the two parts together. Remove the body and check again to make sure the wires are not interfering.

A look at the side profile may confirm that two parts are connected properly:

9. Reconnect the Power to the system:

Once the thermostat is installed, turn the power to the system/furnace back on and follow the instructions in the Quick Start Guide to finalize the settings such as system type, heat-pump style, mode, etc.

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