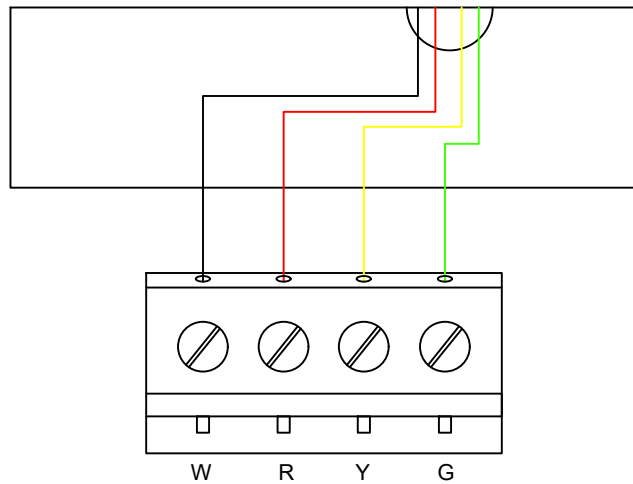


# 4 WIRE THERMOSTAT WIRING DIAGRAM



RED - 12V/24V POWER  
WHITE - HEATING  
YELLOW - COOLING  
GREEN - INDOOR FAN/AIR HANDLER

## 4 WIRE THERMOSTAT WIRING DIAGRAM BASIC GUIDE:

### What is 4-Wire Thermostat wiring diagram?

- A 4-wire thermostat wiring diagram explanation describes how a thermostat uses four low-voltage (24V) wires to control an HVAC system—usually heating, cooling, and the fan.

### The 4 Common Thermostat Wires:

Wire Color (Typical)	Terminal	Function
Red (R)	R / Rc / Rh	24V power from transformer
White (W)	W	Heat control
Yellow (Y)	Y	Cooling (AC compressor)
Green (G)	G	Fan control

### What Each Wire Does:

#### R – Power

- Supplies 24VAC power
- May be labeled R, Rc, or Rh
- If Rc & Rh are present, they're often jumpered together

#### W – Heat

- Activates furnace or boiler
- When thermostat calls for heat, it connects R → W

#### Y – Cooling

- Activates the outdoor AC compressor
- Thermostat connects R → Y

#### G – Fan

- Controls blower fan
- Thermostat connects R → G

### Important Safety Tips:

- Turn off HVAC power before wiring
- Take a photo of existing wiring before changes
- Never guess terminals—check furnace control board labels