

SUNFIRE[®]

RADIANT HEATERS

THERMOSTAT INSTALLATION INSTRUCTIONS

REQUIRED PARTS

Qty	Part	
1	Female Bullet Connector (18 Gauge)	Included
1	Male Bullet Connector (18 Gauge)	Included
1	Wall Thermostat	Not Included
Desired Length	18 Gauge CU CL2 Thermostat Wire	Not Included



Two bullet connectors are already included in the kit that was attached to your unit that includes a product manual, an extra fuel filter and nozzle, plus the two required bullet connectors within the same small bag that holds the extra nozzle.



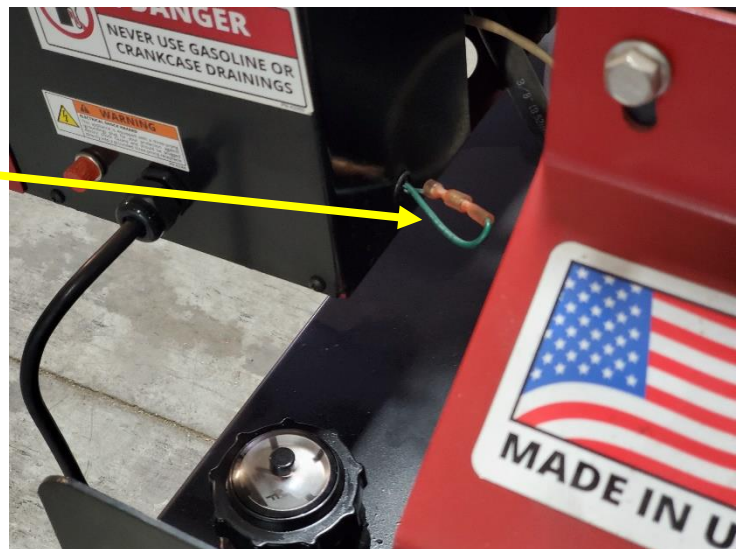
Only two conductor wires of low voltage or 18 gauge thermostat wire is required. However, if you already have this wire available with 3 or more conductor wires, you can still use but you will ONLY use 2 of the wires, usually the red and white.

TYPE OF THERMOSTAT

The SunFire 150 does not require an authorized or specific thermostat to regulate the temperature. A simple wall thermostat is all that is necessary. The only requirement is that the thermostat must not require a power source because it will damage the primary control of the heater. Please use a basic manual or battery operated thermostat.

THERMOSTAT WIRE CONNECTION

You will be connecting the thermostat wires to the two wires sticking out of the back of the burner control box as seen in the image on the right.



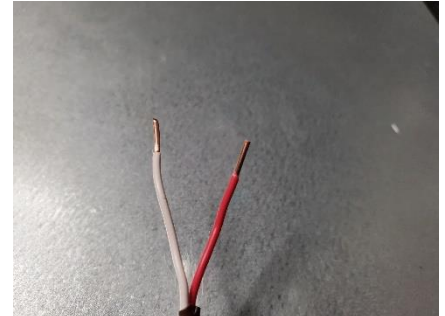
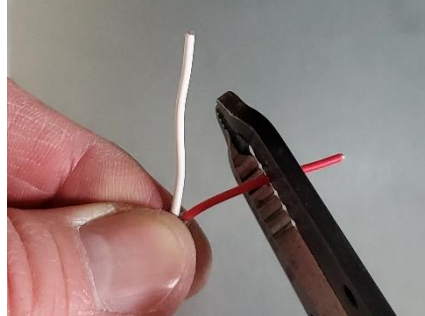
THERMOSTAT PLACEMENT

You can place the thermostat at your desired distance on a wall or on the SunFire burner control box but there is no specific mounting location included or required. The most popular location is on a wall about 10 – 20 feet away.

INSTALLATION INSTRUCTIONS CONT'D

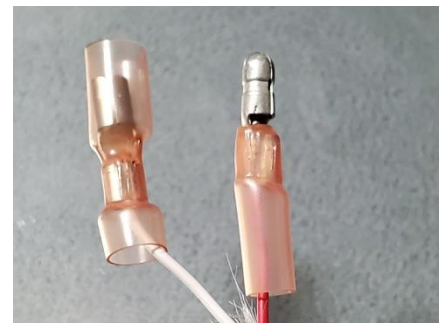
STEP 1

- Cut thermostat wire to desired length.
- Strip the outer layer a few inches to expose the white and red conductor wires.
- Strip the outer layer of the white and red conductor wires to expose ¼" of the copper wire.



STEP 2

- Slide the male and female bullet connectors over the white and red wires to cover the exposed copper wire.
(Connect male or female to white or red wire. Makes no difference)
- Crimp the connectors to the copper wires to secure them in place.



STEP 3

- Connect the male bullet connector of the thermostat wire into the female bullet connector of the thermostat wire coming out of the SunFire burner box.
- Connect the female bullet connector of the thermostat wire into the male bullet connector of the thermostat wire coming out of the SunFire burner box.



STEP 4

- Connect the white wire to the terminal inside of the thermostat labeled with a W
 - Connect the red wire to the terminal inside of the thermostat labeled with a R
- See images below for examples using two different basic thermostats

