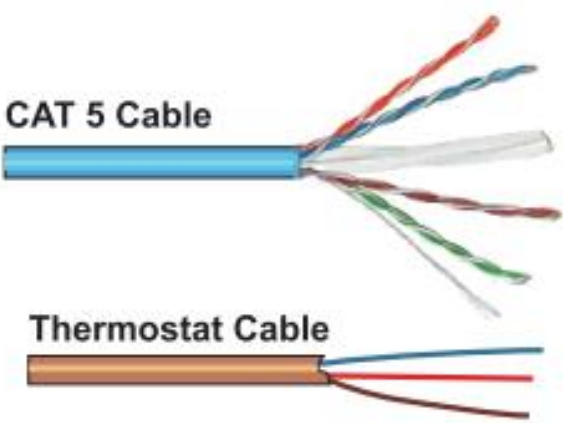


4 Wiring Requirements

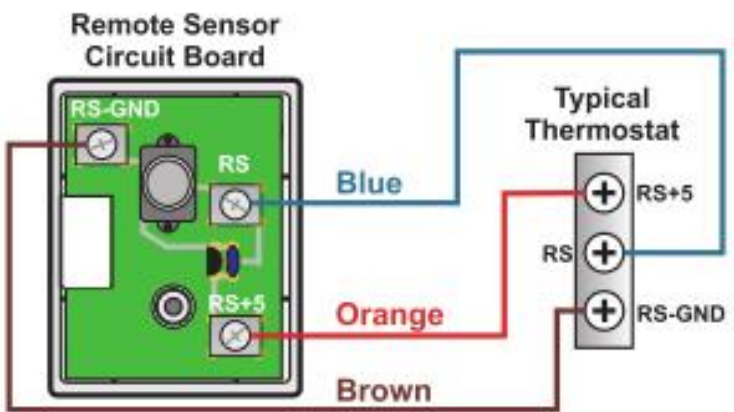
The Remote Sensor should be connected to the thermostat using solid conductor CAT 5, CAT 5e, or CAT 6 type network communication cable. This is an unshielded cable with four twisted pairs of 24 gauge solid wire; **DO NOT use stranded cable**. The cable length should not exceed 250 feet. If less than 75 feet of cable is required to connect the thermostat to the Remote Sensor, a three conductor thermostat cable (18-24 gauge) may be used; this cable is **NOT** suitable for any length greater than 75 feet. **IMPORTANT:** Do not use shielded wire. Do not run sensor wiring in the same conduit as the 24VAC thermostat wiring. Electrical interference may cause the sensor to give incorrect temperature readings.



5 Sensor Wiring

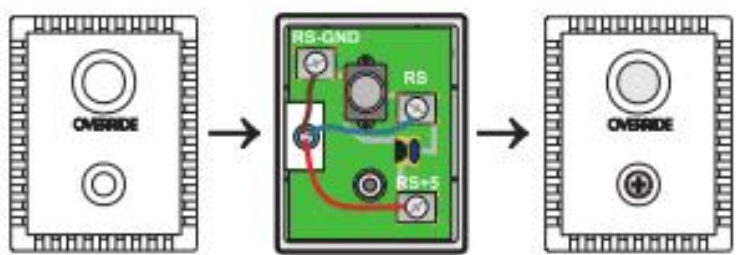
⚠ WARNING
Turn off power to the thermostat before wiring. Death or injury from electric shock could result.

The connection between the Remote Sensor and the thermostat must be wired per the connection diagram. Only three conductors are used, therefore the extra conductors should be cut from each end of the cable to prevent shorting. Follow the color coding as shown.



6 Sensor Assembly

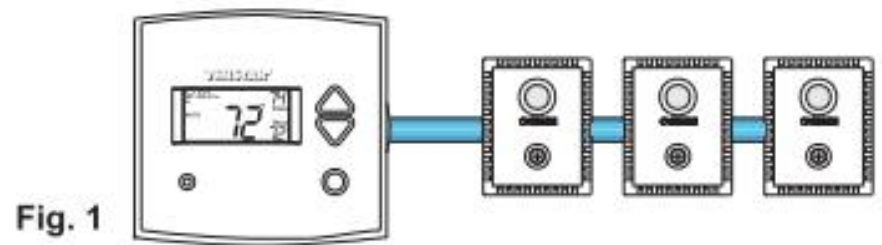
Secure the Remote Sensor top cover to the wall plate using the supplied standard or tamper proof screws.



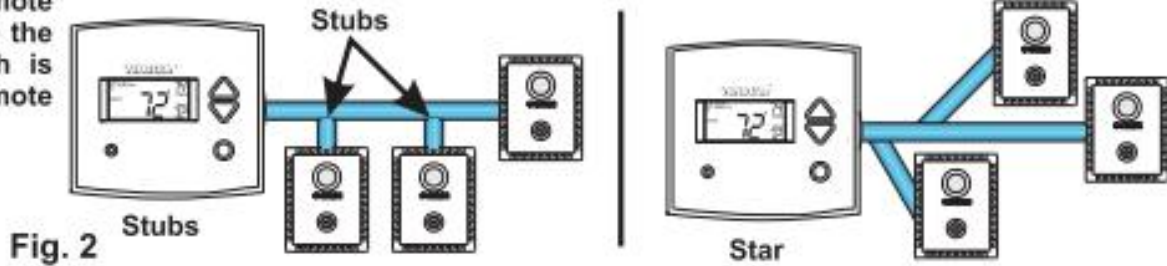
7 Multiple Sensor Wiring Requirements

With the T2900 thermostat, you can connect up to eight wired remote sensors. Each of these sensors must be wired in a linear or daisy chain fashion (Fig. 1); do not use stub connections or form a star network (Fig.2). The thermostat must be wired to the first remote sensor, which is then wired to the second remote sensor, which is then wired to the third remote sensor, and so on.

Correct wiring between thermostat and remote sensor



Incorrect wiring between thermostat and remote sensor



NOTE: All sensor wiring must be in compliance with all applicable local and national codes.