

Guide to extending the thermostat sensor cable

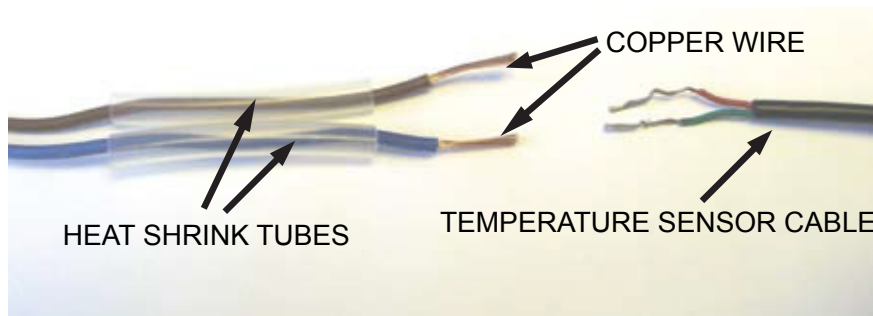
There may be occasions when you need to lengthen the sensor cable for the Heatwave Thermostat e.g. positioning the thermostat outside a bathroom. This is easy to do, simply follow this guide:

What you will need:

- 2 x lengths of insulated copper wire
- Heat shrink tube
- Heat gun
- Pliers
- Wire cutters

What to do:

- 1 Measure the resistance of the sensor by connecting a Digital Meter to the red and green cables of the sensor and record the resistance.
- 2 Prepare two insulated copper wires, the bigger the wire diameter the better. The copper wires cannot be thinner than the red and green wires of the sensor. Ensure that the copper wires are longer than the distance you need to lengthen the sensor.
- 3 Slide the heat shrink tubes on to the copper wires as shown in the picture below:



- 4 Connect the green cable and red wires to their corresponding copper wires by twisting them together with your hands or using a crimp.
- 5 Use a heat gun to shrink the heat shrink tubes over the joins.



- 6 You can use a larger heat shrink tube over the entire connection if necessary.
- 7 Measure the resistance again. The difference between the new reading and the original resistance should be within $\pm 0.1\%$
- 8 Now connect the sensor to thermostat as per installation instructions.