

SENSOR TUBE ASSEMBLY

The sensor tube assembly allows for the easy installation & removal of the thermostat sensor. Should the sensor fail at some time or the thermostat replaced the sensor tube will allow for the sensor to be replaced.

LENGTH - 2.5m Outside Diameter - 12mm

LOCATION

The sensor end should be located in the floor between the heating cables so that the thermostat sensor will measure a typical floor temperature.

Wherever possible the sensor tube should not pass over or under the heating cable.

CABLES - Between adjacent cables and min 150mm in from end.

MATS - Between the loops of the mat or between adjacent mats and 100-150mm in from mat edge.

TUBE INSTALLATION

Install the sensor tube in one conduit from the floor up. Ensure all bends are large radius and smooth to ensure the sensor will easily slide down the tube. The capped tip of the sensor tube should be suitable located to allow the sensor to measure the typical floor temperature. Secure the sensor tube in place on the mesh with cable ties and any excess tube at the thermostat point can be trimmed back.

When electrical conduit can not be installed in the wall, create entry point at ground level and cut thermostat position in wall. With a 'draw wire' pull the sensor tube up the inside wall.

SENSOR INSTALLATION

Prior to installing the thermostat sensor apply 2-3 drops of lubricant to the start of the sensor tube. Slide the sensor down the tube until reaches the sensors capped tip.

HOT TIP

To make sure the sensor tip does not slide away from the end of the tube, once it is in place wrap some tape around the top of the tube. This will hold the sensor in place incase it moves or is accidentally pulled out.

ULTRA THIN

In 'Ultra Thin' heating applications the floor may need to be chased to allow the sensor tube to be recessed into the floor. In screed applications the sensor tube will be located within the sand & cement bed.

