

Manual thermostat installation guide (8250)

Operating ambient temperature	Voltage	Protective housing	Dimensions	Minimum wall box depth	Total Load
-5 to +40°C	230V	IP20	86mm (L) x 86mm (W) x 50mm (D)	30mm	16A

Introduction

A conduit should be in place prior to installation. This conduit receives the sensor probe allowing it to be removed easily if necessary.


Remove dial & face plate

Firstly remove the temperature dial using a flat head screw driver. Now unscrew the captive screw situated to the left of the temperature dial using a cross head screw driver. Remove the face plate and surround.

Wire your 8250

To install the 8250 thermostat you will need a single gang back box, at least 30mm deep. Insert the sensor probe into the back box and down through the conduit. Then connect the sensor probe, heating system and mains cable to the terminals on the 8250 (see diagram).

If installed into a metal back box, earthing of the back box is required.

 **Turn off the power before attempting any electrical work. Electrical connection should be carried out by a qualified electrical professional. Total load not to exceed 16A.**

Fix into back box

Secure the back plate and main body to the back box with the 3.5mm screws provided. Tidy the cables during installation. Now reposition the face plate, face plate surround and tighten the captive screw. Put dial back into place.

Power up and controls

Use the on/off switch to turn the unit on and off. The LED will light up when on. Turn the temperature dial to select a desired temperature. Do not turn on the underfloor heating system until all adhesives and levelling compounds have fully cured. Consult manufacturer guidelines for curing times.

Manual temperature limit

To set limits simply remove the temperature dial, loosen the small screw on the right and move the green ring to your desired minimum and red ring to maximum. Please note it is not advised to run the underfloor heating system over 28°C. Check with your floor finish manufacturer for recommended maximum temperature guidance.

It may be necessary to calibrate the temperature when the system has been on for some time. Measure the actual floor temperature with a thermometer and adjust alignment of the dial accordingly.

