



IMPORTANT NOTICE:

ENSURE THE MAINS SUPPLY IS ISOLATED PRIOR TO INSTALLATION/MAINTANENCE/TESTING
ALL VITREX FLOORWARM UNDERFLOOR HEATING MATS MUST BE EARTHED
A DEDICATED 30mA (RCD) MUST BE USED WITH THIS HEATING SYSTEM
ELECTRICAL WORK WHICH IS SUBJECT TO PART P BUILDING REGULATIONS MUST BE CARRIED OUT BY A QUALIFIED ELECTRICAL CONTRACTOR
ALL WORK MUST CONFORM TO BS 7671:2008 AND THE LATEST IEE WIRING REGULATIONS (CURRENTLY 17th EDITION)
CONSULT AN ELECTRICIAN PRIOR TO INSTALLATION TO ENSURE THE ROOM IS SUITABLE FOR UNDERFLOOR HEATING SYSTEMS

Fitting Your Thermostat

The thermostat should be fitted in a position where it is away from both direct sunlight and drafts. The thermostat should be fitted in a single gang mounting box which has a minimum depth of 32mm.
The thermostat must be fitted in accordance with the instructions in this manual by a fully qualified electrician.

Box contains:

Thermostat
Temperature Sensor
Fixing screws x 2
Instructions

Approved in accordance with:

EN 60730-1:2000+A11:2002+A12:2003+A13:2004+A15:2007+A16:2007
EN 60730-2-9:2002+A1:2003+A11:2003+A12:2004+A2:2005

Consult an electrician prior to installation to ensure room is suitable for underfloor heating system, they will also be able to recommend the best location for the thermostat to be placed.

Read all the instructions before commencing installation.

Before installation of the finished flooring, test the resistance of the heating mat to ensure it is not damaged. Please test the sensor for resistance before connecting to the thermostat and before the laying of the final flooring. The temperature sensor should give a reading of between 6K and 55K Ohms, if it does not then the sensor is faulty and should be replaced.

PLEASE RETAIN ALL MANUALS FOR FUTURE REFERENCE.

BASIC FUNCTIONS

- Room temperature setting
- On/Off control (underfloor heating device)
- LED indication (power supply and working status)

SPECIFICATIONS

- Sensing element: NTC
- Accuracy: $\pm 1.5^{\circ}\text{C}$
- Set-point range(room): $5\sim 30^{\circ}\text{C}$
- Operating rating: $0\sim 45^{\circ}\text{C}$
- 5~95%RH (non-condensing)
- Power supply: AC230V $\pm 5\%$, 50Hz
- 2°C differential
- Load current: $<16\text{ A (resistance), } <6\text{ A (inductive)}$
- Max Load: 3500W
- Housing: ABS + PC Flame Retardant
- Dimensions: $86 \times 86 \times 33\text{ mm (W} \times \text{H} \times \text{D)}$
- IP grade: IP 30

This thermostat has a built-in air temperature sensor. If the air temperature (room temp) is 2°C lower than the dial setting, the thermostat will turn on the heating mats.

The underfloor sensor, which detects the temperature of the floor, is only for floor protection purposes.

When the temperature of the floor is higher than 40°C, (which is the device protection temperature you set by shorting jumper JP1), the thermostat will cut off the power supply to the heating mats, no matter what temperature the room has reached or the temperature set on the dial.

Note: For wood/laminate floors we recommend a maximum temperature of 27°C. Check with the flooring manufacturer for compatibility with underfloor heating.

USER GUIDE

- Temperature setting: Rotate the temperature dial to set the desired room temperature.
- Check that the floor protection temperature jumper is set in position JP1. This sets the maximum temperature of the floor to 40°C.
- Function of the underfloor sensor: This senses the temperature of the floor.
- When the room temperature is more than 2°C lower than the temperature set on the dial, the heating mat will be turned on.
- When the room temperature reaches the level indicated on the dial, the heating mat will be turned off.
- If the floor temperature reaches 40°C, it will trigger the floor protection. The thermostat will automatically turn off the power to the heating mat, whether the room temperature has been reached or not.
- When the LED is red, the thermostat is powered on. When the LED is orange the heating mat is working (heating up).

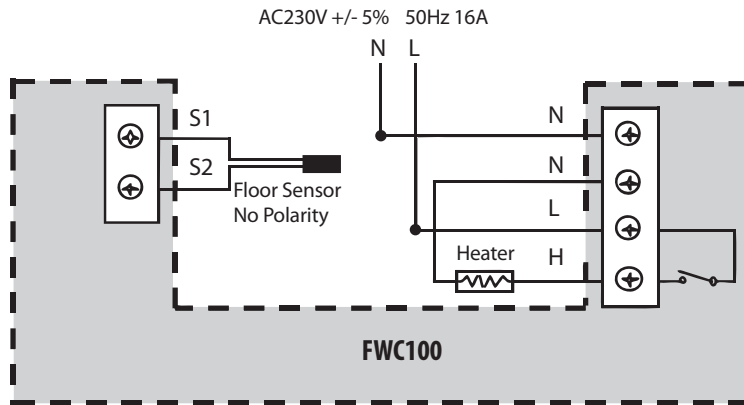
DISPOSAL OF OBSOLETE APPLIANCES



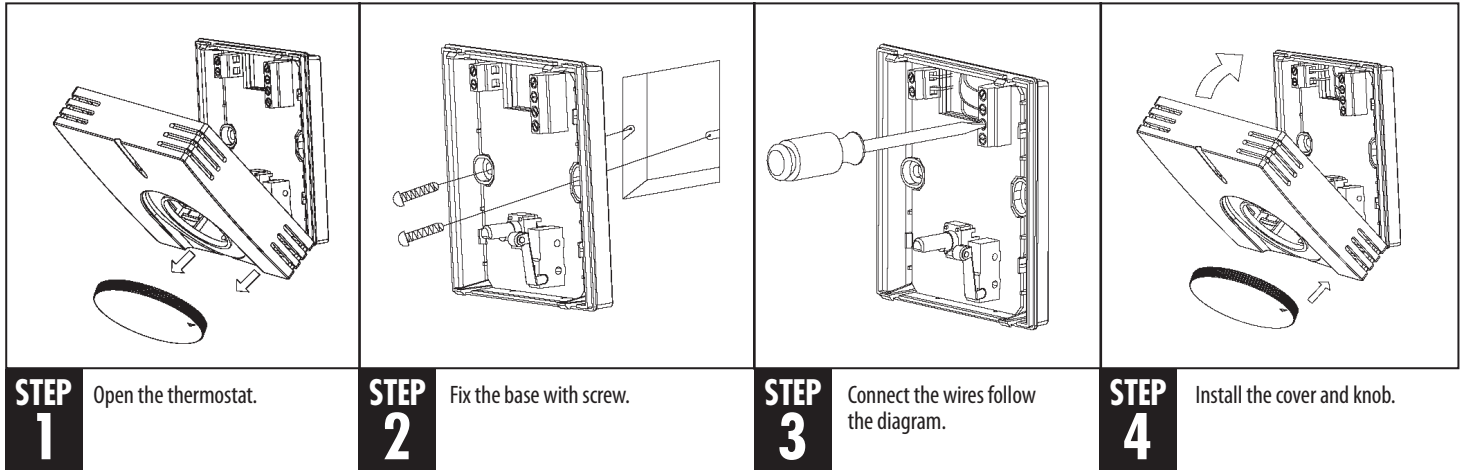
DO NOT dispose of this appliance in your general waste. Your local authority or retailer will be able to provide further guidance.



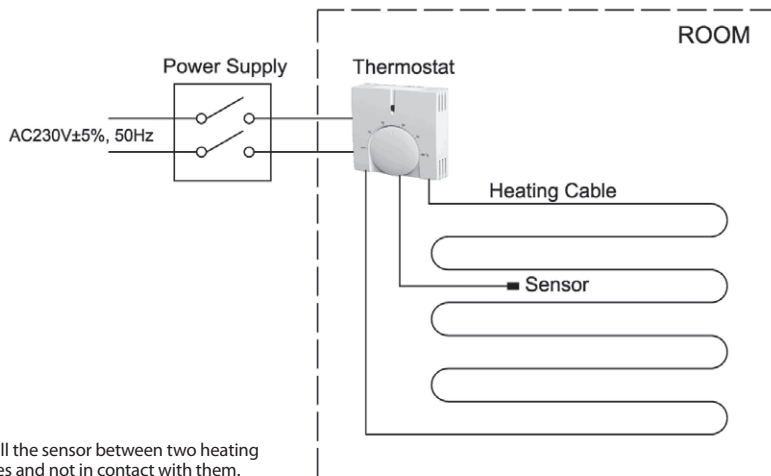
WIRING DIAGRAM



INSTALLATION



SENSOR LAYOUT



Install the sensor between two heating cables and not in contact with them.