

Installing your thermostat

Find a suitable location for the thermostat to be located on the outside of the enclosure ensuring sufficient cable is available for the sensor to reach the desired location. The sensor should be installed inside the vivarium and hanging in free air. Do not mount the sensor to the wall of the vivarium to ensure the sensor is measuring the air temperature and not the wall temperature. However if you are controlling a heat mat installed underneath a layer of substrate inside the vivarium then we recommend the sensor is placed under the substrate and is attached to the top of the heatmat. This allows direct control of the temperature of the heatmat and not the air temperature. Connect the mains cable from your heat source to the heater socket on the thermostat using a suitable mains plug fitted with a 3 amp fuse. Connect the mains cable from the thermostat to your mains supply. Please note the mains plug is fitted with a 3 amp fuse. The mains cable fitted to the thermostat is colour coded as follows.

BROWN-LIVE BLUE-NEUTRAL GREEN/YELLOW-EARTH

Temperature Gradient

An enclosure should be set up to allow a temperature gradient. The heater should be at one side of the enclosure with the sensor positioned in the centre of the enclosure. This will allow a hot area, controlled area and a cooler area. If you are controlling a basking temperature place the sensor in the basking area.

Dimming Control (OLED DIMMER)

Dimming thermostats such as the OLED DIMMER can be used on ALL heat sources.

A dimming thermostat works by varying the amount of power supplied to the heater from 0 - 100%.

Pulse Control (OLED PULSE)

Pulse thermostats such as the OLED PULSE should only be used on non-light emitting heat sources.

This can include ceramic heaters, ceramic bulbs, heatmats or any other form of heating that does not generate light. A pulse thermostat works by supplying pulses of power to the heater that become further apart or closer together to control at temperature set. The thermostat can vary the power pulses from zero to continuous resulting in extremely accurate and stable temperature control.

Main Display

The main display gives important information regarding the operation of your OLED thermostat. The display can be cycled through the different displays by pressing the right arrow. Available displays are Time, Temperature, Power being sent to the heater and a multi-function display which shows all 3 pieces of information. The display can be set to automatically scroll through these display options by pressing the left arrow.

Menu Operation

From the main display to enter the menu press the up and down arrows together to enter the menu.

Once in the menu use the left and right arrows to cycle through the menu options.

Press the down button to edit a setting.

Use the up or down buttons to change the setting.

Press the right button to accept a setting.

Press the left button to cancel.

To exit the menu and return to the main display press the up button.



Menu options

Time

Allows the thermostat time to be set. To set this select time using left or right buttons then press down. Set the hours in 24 hr format using the up or down button. Then press the right button to accept the hours setting. The minutes will then begin to flash. Again set this with the up and down buttons. Once this is correct press the right button to accept. Time will begin to flash at the top of the display. The time is now set and another menu option can be selected.

Control

Allows the thermostat to be set in either constant or day & night operation. Select control from the menu using the left or right buttons. Press the down button to edit the setting. Using the up or down button change the setting between constant or day & night. Press the right button to accept.

Temperature (Only in Constant mode)

Allows the constant temperature to be set. Select temperature from the menu using the left or right buttons. Press the down button to edit the setting. Using the up or down arrows change the temperature that you would like the thermostat to control at. Then press the right arrow to accept.

Day Start / Night start (Only in Day & Night mode)

Allows the time to be set that the thermostat will start controlling at the day temperature and the night temperature. To set day start or night start using left or right buttons then press down. Set the hours in 24 hr format using the up or down button. Then press the right button to accept the hours setting. The minutes will then begin to flash. Again set this with the up and down buttons. Once this is correct press the right button to accept. Time will begin to flash at the top of the display. The time is now set and another menu option can be selected.

Day Temperature/Night Temperature (Only in Day & Night mode)

Sets the temperature that the thermostat will control at during the day time and night time hours set. Select day or night temperature from the menu using the left or right buttons. Press the down button to edit the setting. Using the up or down arrows change the temperature that you would like the thermostat to control at. Then press the right arrow to accept.

Units

Allows the temperature to be setup in Degrees Celsius or Degrees Fahrenheit. Select units from the menu using the left or right buttons. Press the down button to edit the setting. Using the up or down button change the setting between degrees Celsius and degrees Fahrenheit. Press the right button to accept.

To Exit the menu press the UP button.

IMPORTANT - Protection Fuse

Your Thermostat is fitted with a 5 Amp FF super fast fuse. This is a user serviceable part and is available in Microclimate Fuse Packs from your retailer. The fuse is fitted to protect against faults external to the thermostat. The fuse is conveniently mounted on the side of the thermostat. To replace the fuse first unplug the thermostat from the mains. Insert the included microclimate screwdriver into the slot on the fuse holder. Unscrew the fuse holder and remove the old fuse. Replace the fuse with a fuse from a Microclimate fuse pack. Then re insert the fuse holder into the thermostat and tighten with the Microclimate screwdriver. **IT IS IMPORTANT TO ONLY USE THE CORRECT FUSE A QUICK BLOW OR STANDARD 5 AMP FUSE WILL NOT OFFER THE PROTECTION REQUIRED.**

Mounting Bracket (Available Separately)

Your thermostat can be fitted with the mounting bracket accessory which allows the thermostat to be fixed to a wall or surface. To mount the bracket to the thermostat. Unplug the thermostat from the mains supply. Place your thermostat face down onto a table or other solid surface. Remove the top left and bottom right screws from the thermostat using a phillips screwdriver and keep them safe in the thermostat packaging if you wish to remove the bracket in the future. Press the bracket into the back of your thermostat and insert the two longer screws that are included in the bracket packaging through the bracket and into the thermostat. Tighten these screws using a phillips screwdriver. Please be careful to not over tighten the screws.



Correct Temperature Reading

The temperature sensor is extremely accurate. Having set the desired temperature on the thermostat and positioned the sensor in its required location the temperature of the air will be controlled accurately at the position of the temperature sensor. The temperature nearer the heater (from the sensor position) will be hotter and further away from the heater it will be cooler. Please note that when using a thermometer to check the temperature that unless it is in exactly the same position as the thermostat sensor there will be a discrepancy due to the positioning of the thermometer. If you are using a thermometer with a sensor probe to see the temperature at the thermostat sensor you can bind the thermometer probe and thermostat sensor together using black electrical tape. This will give you a closer reading from your thermometer.

Warranty

Your Microclimate Thermostat is covered by our 5 year parts & labour warranty. If you believe your thermostat is not working correctly then firstly please follow the fuse replacement instructions above. If you are still having issues please call or email us as we may be able to help over the phone. In the unlikely event of a failure, return it to Microclimate International Ltd together with a receipt or proof of purchase and a brief description of the fault. If returned within one year there will be no charge, after this time a charge of £5 will be made for administration and postage. Please enclose a cheque or postal order made payable to Microclimate International. Cash is also accepted. No liability is accepted other than for the repair or replacement of a faulty product. This does not affect your statutory rights.