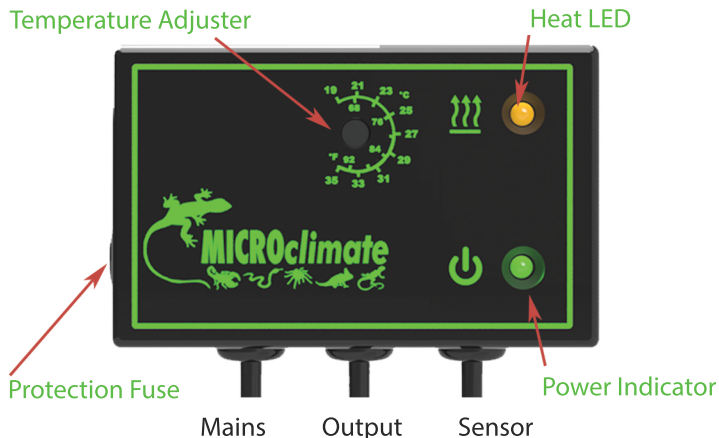




DIMMER B1 / PULSE B2

**WARNING DO NOT OVERLOAD YOUR THERMOSTAT
MAXIMUM LOAD 600w**



Important - Protection Fuse

Your thermostat is fitted with a 5 Amp FF ultra fast fuse. This is a user servicable 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. Unscrew the fuse holder with a flat head screwdriver and remove the old fuse. Replace the fuse with one from a Microclimate fuse pack. Re insert the fuse holder in to the thermostat and tighten. It is important to only use the correct fuse. A standard or quick/fast blow fuse will not offer the protection required.

Dimming Control (Dimmer B1, Dimmer B1 HT)

Dimming thermostats can be used on all heat sources. A dimming thermostat varies the amount of power supplied to the heater from 0-100%. The Heat LED will illuminate yellow and become brighter or dimmer to indicate the power level being supplied to your heater. If no power is required to the heater the heat LED will switch off. If the heat LED is on full brightness for prolonged periods of time this may indicate a more powerful heater is required to achieve the temperature that has been set.

Pulse Control (Pulse B2 , Pulse B2 HT)

Pulse thermostats should only be used on none 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 closer or further apart depending on the power required. The heat LED will illuminate yellow to indicate the power being sent to the heater. When full power is required the heat LED will be solid yellow. If the power required is only half power the LED will be on and off in equal intervals. If no power is required the heat LED Will be off. The thermostat can vary the pulses from zero to continuous resulting in extremely accurate temperature control. If the heat LED remains on solid for prolonged periods of time this would indicate a higher wattage heater may be required to achieve the set temperature.

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. Remove the top left and bottom right screws from the thermostat. 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.

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 this will ensure the sensor is reading 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 on the surface 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 then place the sensor in the basking area.

Temperature range

The Dimmer B1 and Pulse B2 can be set between 19°C and 35°C
The Dimmer B1HT and Pulse B2HT can be set between 29°C and 45°C

Setting the Temperature

The temperature control is recessed on your thermostat to prevent accidental changes in the temperature. The thermostat is factory set to its minimum setting. This is fully anti-clockwise on the temperature dial. Rotate the dial clockwise so that the slot in the adjuster lines up with the correct temperature. A thermometer should always be used to check the temperature within your enclosure at the hot and cool ends.

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 bring the thermometer probe and the thermostat probe together using black electrical tape. This will give you a clearer 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 on the first page of this manual. If you are still having issues please call us on 01902 895351 or contact us via the form on our website www.microclimate.co.uk. In the unlikely event of a failure, return the product to Microclimate 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 £10 will be made for administration and postage. This fee can be placed inside the box with the product. No liability is accepted other than for the repair or replacement of a faulty product. This does not affect your statutory rights.

Help and Advice

If you need any help or advice setting up your product please contact us either by calling 01902 895351 or by contacting us via the form on our webpage.



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