

Correct temperature reading

The temperature sensor encased in the black sheath is very 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.

Warranty

Used in accordance with these instructions this thermostat will give many years of trouble free service.

The thermostat is guaranteed for five years from the date of purchase against faulty parts and workmanship. In the unlikely event of a failure, return it to Microclimate International Ltd together with a receipt or proof of purchase and 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.

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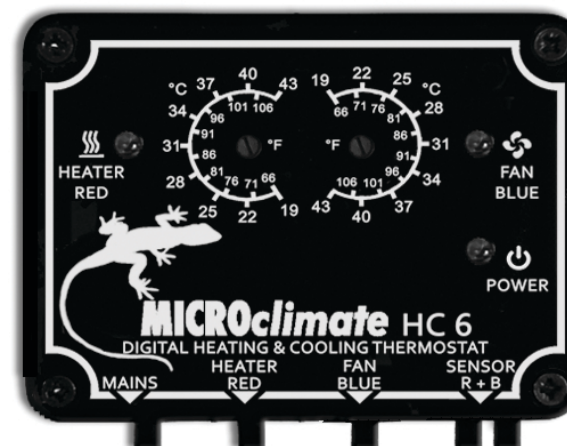
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HC 6 Thermostat User Guide

IMPORTANT - TO ENSURE CORRECT OPERATION OF YOUR HC 6 THERMOSTAT
PLEASE READ THE GUIDE BEFORE COMMENCING INSTALLATION



HC 6 Thermostat

The HC 6 Thermostat is designed to control 1 heat source such as heatmats, ceramics, bulbs, heat cable and a cooling fan with a combined total of 600 watts.

The HC6 thermostat will control two independent outputs set at different temperatures by switching the power on/off to the heater/fan.

The HC6 thermostat can be used to control two zones within a vivarium to allow temperature gradients to be achieved more easily.

WARNING DO NOT OVERLOAD YOUR THERMOSTAT BY CONNECTING HEAT SOURCES WITH OUTPUTS GREATER THAN 600 WATTS COMBINED. DAMAGE CAUSED BY MISUSE IS NOT COVERED BY THE WARRANTY.

Installing your HC 6 Thermostat

Find a suitable location for the thermostat to be located on the outside of the vivarium ensuring sufficient cable is available for the sensors.

The HC6 is split into two separate temperature controllers (heater and fan).

The left control dial for the HEATER corresponds to the RED LED, sensor with the RED band and the socket with the RED band.

The right temperature control dial for the FAN corresponds to the BLUE LED, Sensor with the BLUE band and the Socket with the BLUE band.

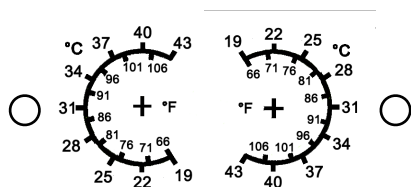
The RED sensor (heat) should be installed inside the vivarium at least 225mm (9 inches) away from the heat source. The BLUE sensor (fan) should be positioned at least 150mm (6 inches) away from the fan which should be located at the cool end of your vivarium. Both sensors should be kept a minimum of 10cm (4 inches) away from the side walls of the vivarium. This is to ensure that the sensors are measuring the air temperature.

Connect the mains cable from your heat source to the heater socket with the RED band using a suitable mains plug fitted with a 3 amp fuse.

Connect the mains cable from your fan to the fan socket with the blue band 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.

RED LED
RED SENSOR
RED HEATER OUTPUT



BLUE LED
BLUE SENSOR
BLUE FAN OUTPUT

Operating your HC 6 Thermostat

The heater and fan temperatures are factory set to 19 degrees Celsius, this is fully anti-clockwise on the temperature dials.

Check that all the heater (RED) and fan (BLUE) connections are correct.

The temperature dials are tamper proof and require a small flat bladed screwdriver to adjust the temperatures.

Turn both the heater and fan adjusters clockwise until the required temperatures are set.

A thermometer should always be used to check the temperatures within the vivarium and then the thermostat adjust to give the required temperature for your reptiles required environment.

The GREEN LED is a power on indicator and will be lit when the thermostat is connected to the mains supply.

The RED LED indicates power is being sent to the heater.

The BLUE LED indicates power is being sent to the fan.

A vivarium should be set up to allow a temperature gradient within the vivarium. Using the HC6 enables the gradient to be achieved more easily. The heater should be placed at the one end of the vivarium together with the heater sensor (RED) and the fan placed at the opposite end of the vivarium together with the fan temperature sensor (BLUE).

Please note that achieving the required temperature gradient is a matter of balancing the heater and fan temperatures and the position of the relevant sensors. This may take a little while and a number of adjustments to achieve.

