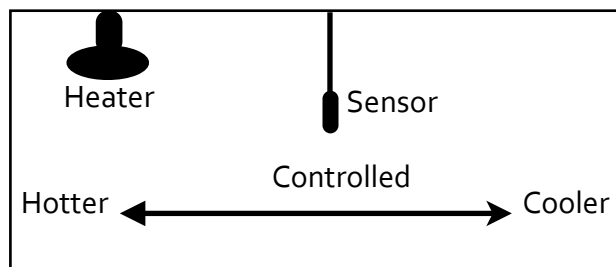


A vivarium should be set up to allow a temperature gradient. The heater should be at one end with the sensor in the centre of the vivarium. This will allow a Hot area, Controlled area and a Cold area.



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 unless it is in exactly the same position as the thermostat sensor there will be a discrepancy due to the positioning of the thermometer.

Microclimate products are designed and built to exacting standards. Each and every unit is tested to ensure many years of trouble free operation is achieved.

All Microclimate products are designed and manufactured in the UK.

Microclimate thermostats now come with a 5-year parts and labour warranty.

Please keep your proof of purchase safe, as this will be required for all warranty claims.

Due to the many diverse applications for this product no liability for the loss or damage to livestock or equipment can be accepted.

This does not affect your statutory rights.

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DL2 Magic Eye Thermostat User Guide

IMPORTANT - TO ENSURE CORRECT OPERATION OF YOUR **DL2 ME** THERMOSTAT PLEASE READ THE GUIDE BEFORE COMMENCING INSTALLATION



DL2 Magic Eye Thermostat

The **DL2** Magic Eye Thermostat is designed to give precise microprocessor controlled temperature of non light emitting heat sources up to 600w. This may include heatmats and ceramics. The heat source must be a minimum of 5 watts.

The **DL2** Magic Eye is a pulse proportional thermostat which will control the heat source precisely by pulsing power to the heater. The thermostat has a built in day/night sensor which allows a temperature drop during the night to recreate a realistic living climate for your pet.

WARNING DO NOT OVERLOAD YOUR THERMOSTAT BY CONNECTING HEAT SOURCES OUTPUTS GREATER THAN 600w. DAMAGE FROM OVERLOADING IS EXEMPT FROM GUARANTEE.

Installing your DL2 Magic Eye Thermostat

Find a suitable location for the thermostat to be located on the outside of the vivarium ensuring sufficient cable is available for the sensor. The thermostat must be situated in a position where it can detect a difference in light level as day changes to night i.e. facing a window. The light sensor is in the centre of the reptile eye on the lid of the thermostat.

The sensor should be installed inside the vivarium at least 225mm (9 inches) away from the heat source. This is to ensure that the sensor is measuring the air temperature. The sensor should be in free air and not fixed to the wall of the vivarium as this will not give a correct reading to the thermostat. Ensure the sensor is at least 10cm from the side walls of the vivarium.

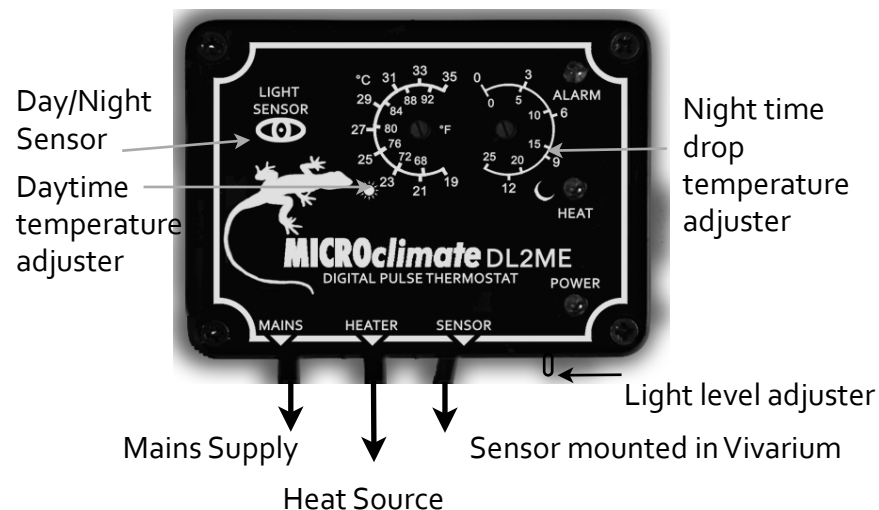
However if you are controlling a heatmat installed underneath a layer of substrate inside the vivarium then we recommend that the sensor be placed under the substrate directly on top of the heatmat. This allows direct control of the heatmat.

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



Operating your DL2 Magic Eye Thermostat

The thermostat Daytime temperature (sun symbol) is factory set to 19 degrees celsius this is fully anti-clockwise on the temperature dial. The Night time temperature (moon symbol) is factory set to a 0 degree celsius temperature drop. To adjust the temperatures use a small flat bladed screwdriver and rotate the temperature adjuster clockwise until the slot is aligned with the required temperature on the scale. PLEASE NOTE : The night time setting is a DROP in temperature i.e. if daytime temperature is set to 25 degrees celsius and the night time temperature drop is set to 5 degrees celsius then the thermostat would control the temperature at 20 degrees celsius at night. A thermometer should ALWAYS be used to check the temperature within the vivarium and the thermostat then adjusted to give the required temperature for your pets environment.



Light Level Setting

The light level adjuster is located on the side of the thermostat and comes factory set midway (12 o'clock) in its adjustment range. Fully anti-clockwise (7 o'clock position) will make the thermostat permanently go into night time operation. Fully clockwise (5 o'clock position) will make the thermostat go into permanent daytime operation.

LED Functions

The GREEN LED has two functions, when on full it indicates that the thermostat is connected to the mains supply, when flashing it also indicates that the thermostat is in night time mode.

The yellow LED on the thermostat indicates power being sent to the heater. If the temperature that has been set requires full power from the heater then the LED will be on all the time. If the power required is only half power then the LED will be on for the same time that it is off. If no power is required the yellow LED will be off. The thermostat can vary the power pulses from zero to continuous resulting in extremely accurate and stable temperature control.

If the yellow LED remains on full brightness for prolonged periods this would indicate that a higher wattage heater may be required to achieve the temperature that has been set.

The RED LED indicates that an alarm has been activated.

Alarms

There are 3 separate alarms built into your thermostat with audible and visual indicators. The RED LED has 3 separate flash sequences which are accompanied by corresponding beeps.

- | | | |
|------------------|---|------------------------------------|
| Heater Failure | - | One beep/flash then a pause |
| Low Temperature | - | Two beeps/flashes and then a pause |
| High Temperature | - | Constant beeps and flashes |

Any condition has to exist for 5 minutes for an alarm to be activated. Low and High temperature alarms are activated when the temperature deviates from the set temperature by more than 5 degrees Celsius. If a High temperature alarm is triggered power to the heat source is cut immediately.