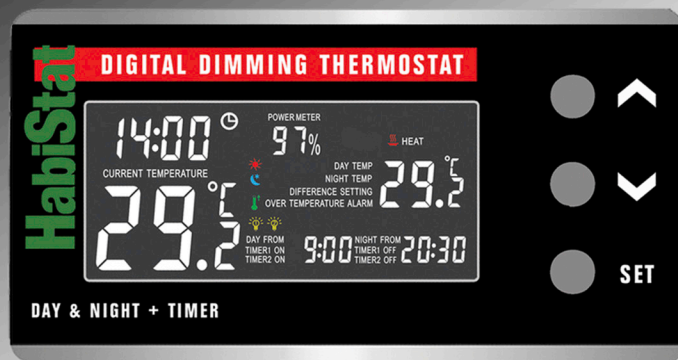


HabiStat

Digital Dimming Thermostat



New Design

**DIGITAL DIMMING
THERMOSTAT**

with improved
safety features

Heater short circuit protection:

Dimming Thermostats are sensitive scientific instruments and are vulnerable to heater short circuits that can render the thermostat inoperative.

A couple of years ago we were the first Company to add the Super Fast blow fuse as a safeguard and protection against heater short circuits.

This proved a very effective safeguard with the fuse blowing before the short circuit damaged the thermostat. In a very small number of heater short circuits this added protection failed to stop damage to the thermostat so we redesigned the unit and added another safety feature to reduce this risk as the safety of your animals is paramount to us.

We have added a secondary safety feature that will turn your heater off in the event of the thermostat being damaged by a heater short circuit.

The safety cut out is activated by the alarm setting. It is important that the alarm setting is not too small as it will now activate this new safety feature. We recommend around 3°C which is a default setting.

Sequence of events for safety cut out to be activated. If the unit experiences a heater short circuit and is damaged the following will happen: The set temperature is exceeded by the alarm setting the cut out will take over and turn the heater off. The alarm will sound. The temperature will then slowly drop back to the set temperature and the unit then reverts to normal function. If there is a damaged component and the temperature increases a second time and the alarm setting is reached again, the unit will turn the heater off completely, the alarm will sound and the display will show Er.r. The heater will not come back on. To safeguard against false readings this upper level must be activated twice in 20 minutes. If it isn't then the unit will revert to normal and the first overheat signal will be erased.

To reset the unit press ^ and **SET** buttons together for 3 seconds and the unit will turn back on.

Watch the unit closely to see if it dims the heater up and down. If it shows the Er.r fault again the unit has been damaged by the heater failure and needs to be replaced or repaired.

Thermostat case temperature safeguard.

If the thermostat control box internal case temperature increases above a safe threshold of 75°C the power will be cut to the unit. The display will show HH2. It will automatically turn back on and the display will return to normal once the temperature reduces to a normal 50°C.

Press the ^ arrow briefly and the display will show the current internal case temperature.

New LED display.

The display now has 4 LED's illuminating it, one on each corner. These LED's alternate to vastly increase the lifespan of the display. They alternate on a 12 Hour cycle. You will not notice this happening but the display life will be vastly extended.