

HeatSensor Thermostat

HS00645 – 12 VDC
HS00646 – 24 VDC
HS00647 – 230 VAC

Operating Instructions for Twinsensor^{BT}



Specification.

Voltage
Temperature
Timer 1
Timer 2

12 VDC / 24 VDC / 230 VAC
50°C.
3 minutes
3 minutes

Operating Instructions for Twinsensor^{BT}.

Switch-on.

Connect power cord to the specific power voltage as indicated in the rear panel of the heater (230 Volts). When connected a small red dot appears on the screen.

Press "START" and hold the button over 2 seconds.

The letter "H" for "HEAT" will appear on the screen until the setting Temperature is reached and you will hear an acoustic signal.

The heater is warming and when temperature reaches the setting value, the screen displays the temperature in Celsius degree. If the temperature is not displayed on the screen it means that the heater is not at the right temperature and the instrument should not be used.

Timer 1.

Press again, shortly, the button "START".

The LED "TIMER 1" will switch-on and you will hear an acoustic short signal indicating that the first incubation time is started. When the time of this first incubation is over, the acoustic signal starts until the operator presses again, shortly, the button "START" to switch off the timer of the first incubation (the acoustic signal stops).

Timer 2.

Press again, shortly, the button "START" and the LED "TIMER 2" will switch-on. You will hear an acoustic short signal indicating that the second incubation time is started. When the time of this second incubation is over the acoustic signal starts until the operator presses again, shortly, the button "START" to switch off the timer and to stop the bell.

Switch-off.

To switch-off definitively the heater, press "START" and hold the button over 2 seconds, the screen will switch-off remaining a small red dot lighting indicating that the heater block is now out of use.

Temperature-correction.

The incubator is adjusted at a setting temperature of $50^{\circ}\text{C} \pm 3^{\circ}\text{C}$. If there is a need to correct the setting temperature, please proceed as follow:

Fill with water, the small hole of the metal block and insert a calibrated digital thermometer.

Remove the black plastic cap on the left side of the heater.

Take a small isolated screwdriver and turn the potentiometer CLOCK WISE to increase the desired temperature and COUNTER CLOCK WISE to decrease the desired temperature. When temperature on the thermometer stabilises, replace the black plastic cap.

Remarks.

When the GREEN LED at the left side of the screen lights continuously, the block is in the heating process. In that condition the setting temperature is not yet reached and the apparatus cannot be used.

When the GREEN LED blinks, the temperature of the block has reached the setting temperature and the apparatus can be used.

When the GREEN LED and the SCREEN are extinct, the system is extinguished and it cannot be used.