

# Serene Heating Panel Models S2022/3

With 24/7 LCD Programming

## Operating Instruction Manual

Please read and save the user manual



### Introduction

## Serene Heating Panels

Serene Convection panel heaters are available as horizontal models, providing you with the opportunity to choose a model that will optimise the available wall space. Our new designs have passed rigorous testing and quality assurance controls with both style and safety in mind. As a result, they have a slim profile, operate silently, are double insulated, include auto reset overheat protection and are supplied with wall mounting brackets for simple installation.

These Serene Model 2022/3 convection heating panels incorporate a fully programmable real time electronic controller with manual override - which enables simple easy real time programming and operation 24/7.

The electronic thermostat control with rapid cycling samples the air temperature every few seconds which ensures that the element is only energized for short periods which minimises power usage and saves you money.

### Safety Information:

When using any electrical appliance, safety precautions should always be observed. Read these instructions carefully, and retain for future reference.

- When used by, or near, young children or infirm persons, supervision is necessary. Young children should be supervised to ensure that they do not play with the appliance.
- Use this appliance only with the voltage specified on rating label.
- Do **NOT** use this appliance other than for its intended use.
- Do **NOT** touch hot surfaces or moving parts.
- Do **NOT** cover the grilles or place any object or material up against the unit, as this may block entry or exhaust of airflow.
- Do **NOT** probe any opening to remove fluff. To ensure trouble-free performance it is recommended that on a regular basis the unit be isolated from the power supply and a vacuum cleaner used to remove dust and fluff from the inlet and outlet grilles.

**Caution:**

When the heater is operated in auto mode by the programmable control ensure the heater is not obstructed in any way by furniture or drapes etc. Ensure the heater can operate safely, should the heater switch on when the ambient temperature drops, or a timer activates the heater.

- Do **NOT** allow the supply cord to come into contact with heated surfaces during operation.
- Regulations require that electrical work be carried out by authorised persons. For your own safety and that of others, ensure this is done.
- If the supply cord becomes damaged, it must be replaced by a qualified person, in order to avoid a hazard.

**Safety Cutout:**

Serene Convection Heating Panels are fitted with an auto-reset thermal cutout. This safety device will automatically switch off the elements should the heater reach an abnormal temperature and turn the heater back on once it has cooled down.

Overheating is normally caused by blockage of the air vents or by the vents being covered. **NEVER COVER THE HEATING PANNEL OR ANY OF THE VENTS.**

To clean the vents use a vacuum cleaner as necessary

## Installation:

This appliance must be installed in accordance with the current electrical wiring rules and regulations. The heater must not be located immediately below a socket-outlet. A suitable disconnection device (acting in all active supplies) is required to be incorporated in the fixed supply wiring. When used as a bathroom, the heater must be installed such that the controls cannot be touched by a person in the bath or shower.

The minimum required distance from the heater to any floor is 150mm. The minimum required distance from the heater to any adjacent wall is 200mm.

## Connection Details:

The heater is supplied with a flex and 3 pin plug. For single operation the heater can be plugged directly into a socket outlet or hard wired.

For permanent connection to fixed wiring, the plug must be removed. If the pilot wire is to be used, it must be connected to a separate pilot wire circuit. The black pilot wire **MUST NOT** be connected to Earth. Ensure the power supply to the pilot wire and the mains power to the heater is disconnected before any servicing or maintenance is carried out.

## Operation & Functions

### Control panel



- |                                |                                   |
|--------------------------------|-----------------------------------|
| <b>1</b> : Power On/Off button | <b>2</b> : Manual over ride       |
| <b>3</b> : Set Program         | <b>4</b> : Confirm program        |
| <b>5</b> : Temperature down    | <b>6</b> : Temperature up         |
| <b>7</b> : ECO                 | <b>8</b> : Power indicator        |
| <b>9</b> : Day of the week     | <b>10</b> : Heating indicator     |
| <b>11</b> : Low power          | <b>12</b> : High power            |
| <b>14</b> : Manual indicator   | <b>15</b> : Auto indicator        |
| <b>16</b> : Timer              | <b>17</b> : Hours                 |
| <b>18</b> : Minutes            | <b>19</b> : Real time temperature |
| <b>20</b> : Temperature (°C)   |                                   |

## Program set up:

### Turning the heater Power on/off

When the unit is connected to power there is a short buzz, the blue power indicator **(8)** lights up and the LCD display will light for 12 seconds. Pressing the 'Power On' button **(1)** turns the heater on and the day, time and room temperature are displayed.

Then select HI or ECO temperature setting **(2)**.

Manual or programmed operation selection **(3)**.

### Temperature setting

#### Eco or program mode.

Touch **(5 or 6)** and the temperature indication will flash.

Touch **(5 or 6)** again to set the temperature.

To finish temperature setting touch confirm button **(4)**

When the setting temperature stops flashing the room temperature will show on the LCD screen.

### Time setting

When setting up the program for the first time the actual time needs to be set up as follows.

**Day:** With the power on press **(3 and 4)** at the same time for 3 seconds.

The day **(9)** will flash.

Press **(5 and 6)** to select the day and press **(3)** to finish.

**Hour:** The hour indicator **(17)** will be flashing, Touch **(5 or 6)** to set the hour and press **(3)** to finish.

**Minute:** The minute indicator **(18)** will be flashing.

Touch **(5 or 6)** to set the minute and touch **(3)** to finish.

**Seconds:** **(19)** will be flashing,

Press **(5 or 6)** to set the seconds and press **(3)** to finish.

After setting the seconds the controller will revert back to the day setting as a cycle. Touch button **(4)** to finish time setting. All time symbols will now stop flashing.

## **Automatic (A) mode timer setting (7 days timer)**

### **1. Day setting:**

Press **(2)** to choose automatic mode display **(A)** then press **(3)** and the current day on the screen.

**(9)** will be flashing

Touch **(5 or 6)** to set the day and **(17 and 18)** will display the timer for last setting. Press **(3)** to finish.

### **2. Timer setting:**

**(19)** will display.

Number 1 indicates that the heater is on the first running time.

**(17 and 18)** will display the last setting time, and **(17)** will flash.

Touch **(5 or 6)** to set the desired time.

Touch **(3)** to finish the first running time.

**(18)** will begin to flash

To adjust the time touch **(5 or 6)**, then touch **(3)** to finish, and then the first running time is set. **EG 7-10 am.**

Now **(19)** display will show 2, indicating the second running time.

Repeat your settings for this time frame and so on.

Touch **(4)** to finish the timer setting.

### **NOTES:**

The setting program will only save after you have touched the **(4)** button.

The factory pre-setting running time is 07-11 ; and 13-18hours.

When in automatic mode **(16)** will not display.

Your Serene heating panel is fitted with a 24 hour clock.

### **3. Setting the running time for one week:**

After you have set the first day the following day setting will show and data will be as the first day settings unless it is changed.

For example:

1. If the Monday running time is set to 08-12 and 13-17, then the running time from Monday to Sunday will continue to be 08-12 and 13-17.
2. If the Wednesday running time is changed to 08-12 and 14-18, then the running time from Monday to Tuesday is 07-11 and 13-18 and from Wednesday to Sunday is 08-12 and 14-18 unless further changed.

### **4. After setting the running program:**

Touch **(4)** to save and the heater will operate in accordance to the programmed settings.

### **Manual timer setting for the current day**

Touch **(2)** selects Manual mode.

Touch **(3)** to set the timer and **(17)** will flash  
Then touch **(5 or 6)** to adjust the hour.

Touch **(3)** again to set the minute and touch **(4)** to confirm.

The timer **(16)** will light up if the setting time is more than the current time

NOTE: If **(3)** is touched when setting the minute this will cancel the timer setting.

#### **Turning off**

To turn the heater off touch the power button **(1)**

### **Selecting Eco or High power**

Touch **(7)** to choose high/low power,  
If high power is selected, **(12)** will light up.  
If ECO is selected **(11)** will light up.



## Manual or Programmed mode selection

Touch **(2)** to select the required mode.

If manual mode is selected **M** will display and **A** when in programmed mode.

## Memory function after shut down

The program setting when the unit is turned on again will be as the last setting.

## Electronic locking

When power is on touch **(5 and 6)** at the same time for **3 seconds** and all control functions will be locked and will be displayed on **(19)** as a square for 5 seconds and then change to real temperature display.

## Methods to unlock:

- ① No electric supply to the device
- ② Timer over
- ③ Touch **(5 and 6)** at the same time for 3 seconds.

## NOTE

The program memory is retained in the event of any power interruption.

## Over heat protection

All Serene heating panels are equipped with a overheat protection switch that will automatically turn the heater off if for any reason the unit has overheated.

The heater will automatically come back on when it has cooled down

## Cleaning

The heater requires regular cleaning to ensure trouble free operation.

- Isolate the heater from the mains power supply.
- Use a damp cloth to clean the exterior of the heater. Do not use any abrasive cleaners.
- Use a vacuum cleaner to remove dust and fluff visible on the heater inlet and outlet grilles.

Ensure the heater is dry before turning the mains power supply to the heater back on

## Wall Mounting Instructions

The heater is fixed on the wall with the mounting bracket attached to back of the heater.

### To secure mounting bracket to the wall

1. Remove the wall mounting bracket from the back of the heater, by compressing the fittings at the top and/or sides of the bracket, which clip into the heater body (see figure 2 below).
2. Place the mounting bracket against the wall, ensuring the bracket is level and the minimum distance between the heater and the adjacent surfaces are adhered to
3. Mark and drill the fixing holes at the top and bottom of the mounting bracket, and attached to the wall with suitable screws and/or wall anchors).
4. Locate the heater over the bottom clips of the wall bracket and then push the heater securely into the fittings on the top and/or sides of the bracket.

## To remove heater from the wall

1. By using a pointed tip screwdriver, push in and lever out the fittings at the top and/or sides of wall mounting bracket.

2. Lift the heater up and away from the wall.

### **NOTE**

The heater must NOT be located immediately below a socket outlet or within reach of a bath or shower

## **Specifications:**

Serene S2022/3

**Model S 2022** Power: 1000W/500W

Dimensions (mm): W 460 D 75 H 400

**Model S2023** Power 2000W/1000W

Dimensions (mm): W 830 D 75 H 400

Electrical

Supply 230-240 volts A.C. 50 Hz

Wattage 500W-2000W

Wiring: Permanent connection or by cord set.

Double insulated, no earth required.

Ingress Protection Rating IPX20

Serene Limited reserves the right to alter specifications without notice.

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