

Set time

Press and hold for 5 seconds

Temperature set

When display shows room temperature press to adjust



Set programme

Press and hold for 5 seconds

Mode selection

Boost, manual setback and program

1. Basic Operation

When the appliance is connected to the mains supply and the wall socket is switched 'ON', the LED indicator on the moulding will light up green, showing that the power is available to the unit. Before you can use the LST, it has to be activated by pressing any control button. The LCD backlight will turn on. To operate any control button, press within 2 seconds of activation.

2. Time and day setting

- Press and hold the TIME button for 5 seconds. Minutes are flashing - use TEMP and MODE buttons to set minutes.
- Press TIME button Hours are flashing - use TEMP and MODE buttons to set hours.
- Press TIME button Day is flashing - use TEMP and MODE buttons to set Day.

Once you are happy with the settings, press 'Time' to return to main screen.

3. Selecting operating mode

LST has 4 operating modes: BOOST, MANUAL, SET BACK, PROGRAM. Each mode can be selected by pressing the MODE button to cycle through the options. The cycle sequence will always start with BOOST mode followed by MANUAL, SET BACK and PROGRAM.

4. BOOST - 15 minutes

The boost feature increases the room temperature for 15 minutes.

1. Use TEMP and MODE to set the temperature.

To amend the set temperature when in Boost mode, simply activate the display by pressing any button. Press TEMP, then use TEMP and MODE to change the temperature. Once the temperature is set, you can leave the display to return to the main screen and the settings will be saved. After 15 minutes, the LST will return to previous operating mode.

5. MAN - Manual Mode

In manual mode, the heater maintains the set temperature.

1. Use TEMP and MODE to set the temperature.

To amend the set temperature when in Manual mode, simply activate the display by pressing any button. Press TEMP, then use TEMP and MODE to change the temperature. Once the temperature is set, leave the display to return to the main screen and the settings will be saved.

6. SETB - Reduction in programmed temperature

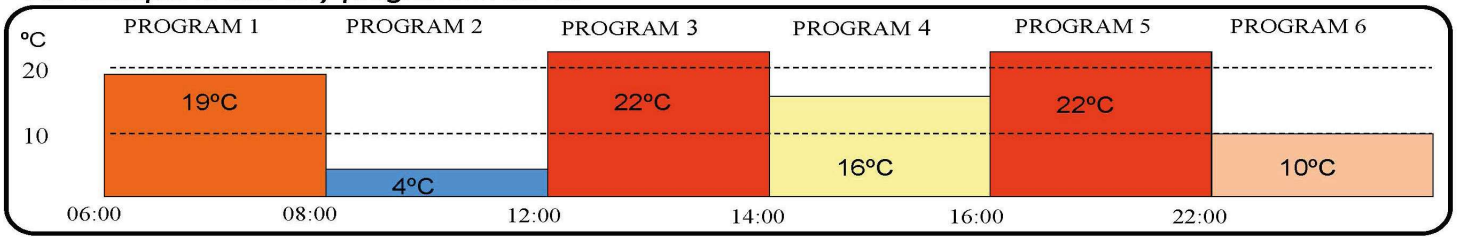
In the setback (ECONOMY) mode, LST lowers all temperatures in the 7-day programme by a set value. You can set how much to lower the programme temperatures in SETB mode by simply activating the display, pressing TEMP and using TEMP and MODE to set the new value.

The display will first show the temperature difference and after 2 seconds the new set temperature.

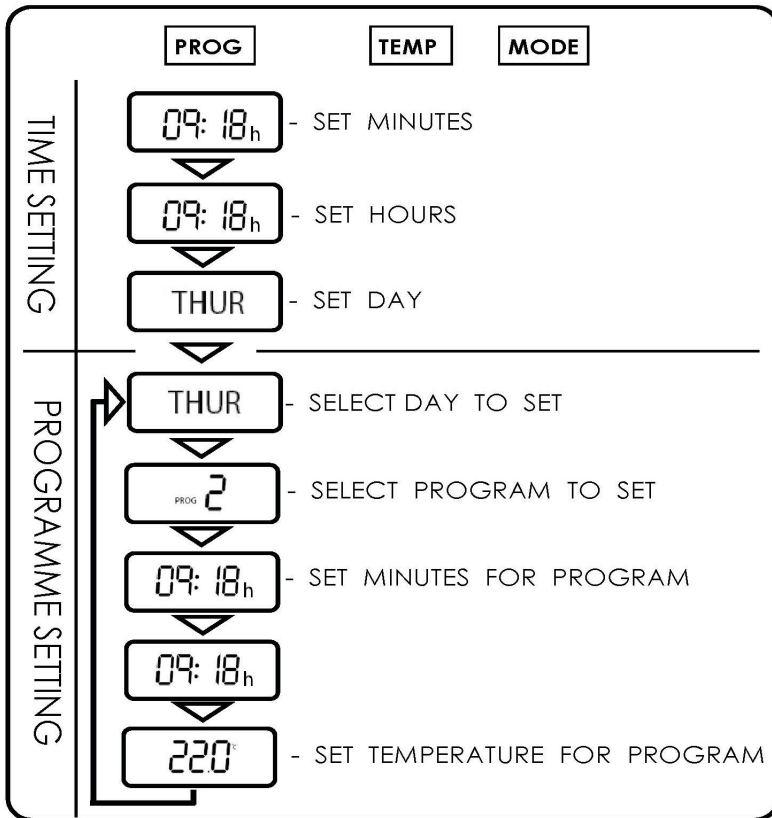
7. PROG - Automatic time mode

In this mode, the LST will follow the week's time / temperature programme. You can temporarily override the temperature in PROG mode by simply activating the display and using the TEMP and MODE buttons to set the new temperature. The new set temperature will be then maintained until the next program step.

An example of one day programme on LST



Logic diagram for setting programme on LST



1. Press and hold PROG for 5 seconds to enter the time setting.
2. The day will be flashing.
3. Use TEMP and MODE to navigate day, press PROG to select day.
4. PROG 1 will be flashing. Use TEMP and MODE to navigate programme, use PROG to select programme.
5. The minutes will be flashing.
6. To set minutes, use TEMP and MODE to change minutes, press PROG to set the minutes.
7. The hour will be flashing
8. To set hour, use TEMP and MODE to change hour, press PROG to set the hour.
9. The temperature will be flashing.
10. To set temperature, use TEMP and MODE to change temperature, press PROG to set temperature.

To add another programme repeat steps 2-10.

The LST has a 7-day timer with up to 6 programming steps available for each day. In the programming you can set a start time and a temperature for each programme. Each programme has to be used.

9. Advance mode

Press PROG from PROG mode to bring forward the next programme. To clear advance mode, press PROG.


10. Heat symbol on the display

Every time there is a demand for heat, the display will show the heat icon.

⏏ - Reduced heat output when the room temperature is close to the set temperature.




⏏⏏⏏ - Full heat output

11. Keys locking

Press and hold TIME and TEMP together for 5 seconds. The display will show  symbol. Repeat the step to unlock.

12. Status light on the heater

Light colour Heater status

Light colour	Heater status
	STAND-BY No heat output
	Reduced heat output
	Full power heat output

13. Open Window Detection

Ensuring you don't waste energy on heating the outside world, the heater is equipped with optional open / closed window detection. The heater recognises sudden drops in temperature when a window or a door is opened and turns the heating off to save energy. When the window is closed, the heater will automatically detect a temperature rise, and switch itself back on. Once enabled in the setup menu, the open window detection is fully automatic and does not require any human intervention to be activated.

Setting-up Open Window Detection

The system has been factory set to default time and temperature values. If necessary, all values can be adjusted. When the heating is on, open window detection sensor will automatically switch the heater off when it detects a fall in temperature of 2°C in less than 10 minutes (this temperature can be changed in menu 7 and time in menu 6). If a temperature rise of 2°C in less than 30 seconds is detected, the heater will switch itself back on (this temperature can be changed in menu 9 and time in menu 8).

14. Setup Menu

1. Press and hold TEMP and MODE together for 5 seconds.
2. The display will enter the setup menu.
3. Use TEMP and MODE to change a value.
4. Use TIME to scroll between the settings.

01 - Temperature calibration

The temperature reading has been factory calibrated but if for any reason it needs adjusting (better accuracy required, to suit different position in the room etc.), the reading can be recalibrated in 0.5 degrees steps.

02 - Change between degrees Celsius or Fahrenheit

03 - Set minimum temperature

(3.5 deg = frost protection) When this is set, the heater will operate in any mode should the room temperature fall below the set temperature.

04 - set maximum temperature

When this is set, the maximum temperature in any mode cannot exceed the limit.

05 - open window detection 0 = off, 1 = on

06 - 600 - open window detection time 600 seconds

07 - 2 - temperature drop of 2°C in the detection time

08 - 30 - closed window detection time of 30 seconds

09 - 2 - ° temperature rise of 2°C in the detection time