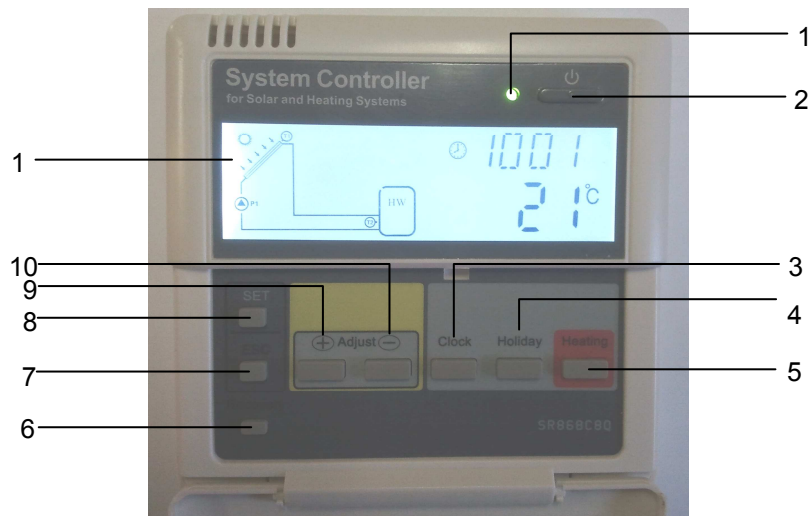


Quick Setup & User Guide for SR868C8 Controller



No.	Name	Function
1	Power Lamp	Indicates whether power is on or off
2	Power Button	To switch system "ON" or "OFF"
3	Clock	Set the clock
4	Holiday	Turn on "Holiday Mode"
5	Heating	Manual electrical heating button
6	Recovery	Reset factory settings
7	ESC	Exit program setup menus
8	SET	Select menus and confirm settings
9	+ Button	Adjust parameters upwards & move within menu level
10	- Button	Adjust parameters downwards & move within menu level
11	LCD screen	Shows status of system

Note to Client: We have set the controller to what we believe to be optimum settings for safety and performance as per the table on the back page of this Setup Guide. All household usage patterns vary and you may need to change a couple of settings for your particular requirements. The only settings you will normally have to alter are *(the first time you press any button on the display, the LCD screen light will come on. All the following instructions are after the light comes on):*

1. Set the Clock to current time and day

- Press CLOCK and use + or - button to set the hour
- Press CLOCK again and use + or - button to set the minute
- Press CLOCK again and use + or - button to set day of week

Press ESC to go back to default screen or wait 6 seconds

2. Set the automatic timers and temperatures for electrical heating

There are 3 timers settings which operate every day of the week. It is very important that your ON and OFF times are set within the same 24 hour period, i.e. not spanning midnight—00.00 **If at any stage in the menu, a button is not pressed for 6 seconds, the display goes back to default and you need to begin the process again.**

- Press SET five (5) times to enter pin number (0000 is default) until DT 0 appears.
- Press + twice (2) and tHET (time, heat setting) appears.
- Press SET and tH 1o (time Heat 1 ON) appears together with the time the electrical backup is set to come on.
- Press SET and use + or - to set the required hour ON time.
- Press SET and use + or - to set the required minute ON time.
- Press SET and use + or - to set the temperature below which the electrical backup must turn on.
- Press SET and then + and tH 1F (time, Heat 1 OFF) appears.
- Follow the same procedure as above four steps to set the OFF hour, minute and temperature. This will always be at least 3^o C warmer than the ON temperature.
- Press SET and then + and tH 2o (time, Heat 2 ON) appears. Follow the above five steps to set the ON and OFF hour, minute and temperature settings for the second timer.
- Press SET and then + and tH 3o (time, Heat 3 ON) appears. Follow the above 5 steps to set the ON and OFF hour, minute and temperature settings for the third timer.

Recommended settings (*in order to not use a timer window, set the ON and OFF times the same. If you do not want the element to switch on at all, set all 3 timer windows to the same time for ON and OFF):

	ON	OFF	Comment
tH 1	03.00 - 50 ⁰ C	06.00 - 55 ⁰ C	In summer you may wish to turn morning timer OFF *
tH 2	12.00 - 50 ⁰ C	12.00 - 55 ⁰ C	tH 2 not normally used. ON & OFF times the same
tH 3	16.00 - 55 ⁰ C	18.00 - 60 ⁰ C	

THOSE ARE ALL THE SETTINGS YOU NEED TO BE AWARE OF. THE OTHER SETTINGS ARE FOR THE SOLAR SYSTEM AND ARE PRESET BY US AND RUN AUTOMATICALLY. SOME OTHER USEFUL FEATURES OF THE SR868C8 CONTROLLER YOU MAY BE INTERESTED IN ARE:

DISPLAY

- Temperature display
- The default temperature display is T2, the temperature in the middle of the geyser.
- In order to see the temperature in the collector (T1), press + until T1 appears on the top right of the screen. T1 will also flash on the system diagram on the left.
- If P1 on the diagram is flashing, it indicates the pump is on. The pump will only switch on when the T1 temperature is 20⁰C higher than T2. It turns off again when the difference drops to 4⁰C. If the system is running normally, T1 should never be higher than about 25⁰C above the T2 temperature.
- When the electrical element is on, the circle in the middle of the HW water cylinder on the diagram will flash.

OTHER FEATURES

- Heating
 - You may wish to boost the electrical heating sometimes outside of the normal timer periods. For example if you have guests and the hot water is insufficient.
 - Press the HEATING button.
 - A default temperature of 60⁰C will begin flashing. Use the + or - buttons to set the desired temperature. The element will take the water to the set temperature and turn off automatically. To switch off manually, simply press HEATING again and it will turn off after a few seconds.
- Holiday Mode
 - When you go on holiday, the sun keeps shining and heating the water even though you are not using it. The SR868C8 controller has a function to prevent overheating.
 - Press and hold HOLIDAY for a few seconds. A palm tree will appear on the display.
 - Press HOLIDAY again when you return in order to resume normal function.

Our standard settings for the solar operation are listed below for your information. Generally they do not require adjustment. Use the SET button to navigate between menus and the + and - buttons to navigate within menus.

MENU	SUB MENU	DESCRIPTION	STD SETTING
DT O		Solar differential temperature pump on	20 ⁰ C
DT F		Solar differential temperature pump off	4 ⁰ C
tHET		Electrical backup timer and temperature settings. <i>See table above under 2.</i>	
TEMP			
	EMOF	Maximum collector temperature to switch pump off	130 ⁰ C
	EMON	Maximum collector temperature to turn pump on again.	120 ⁰ C
	CMX	Collector cooling function after SMX is reached. Maximum temperature of collector	110 ⁰ C
	CMN	Low temperature protection of collector	---
	CFR	Frost protection of collector	4 ⁰ C
	SMX	Maximum normal tank temperature	Horizontal tank 70 ⁰ C Vertical tank 60 ⁰ C
	REC	Tank re-cooling function after sunset to below SMX	ON
	C_F	Celsius or Fahrenheit selection	⁰ C
FUN			
	DVWG	Anti legionaries function	OFF
	CIRC	Ring main pump (P2) controlled by temperature	---
	BYPA	Bypass pump or solenoid valve (R1)	---
HND		Manually turn on and off pumps and solenoid outputs	
PASS		Password set	0000
LOAD		Recovery to factory (not Hills Solar) settings	