
SolaStat

SolaStat-Plus-2

(Dual Relay)



Programming Guide.

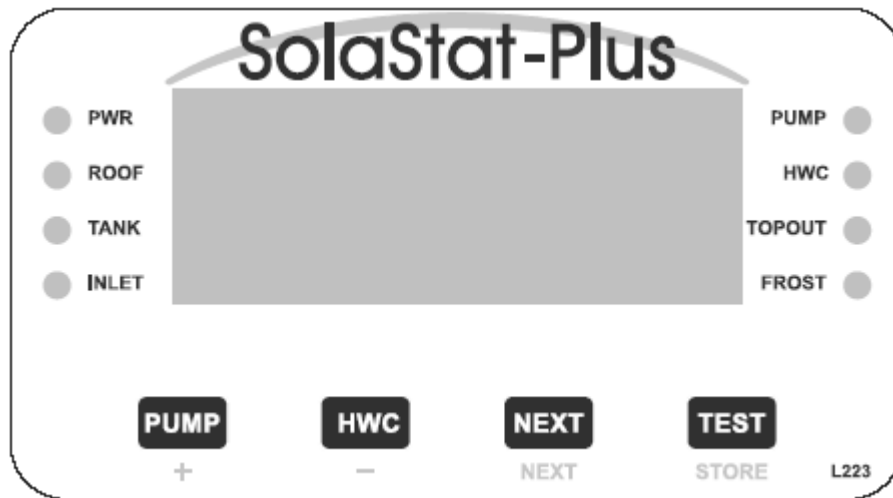
For Installer Use Only.

SolaStat-Plus-2

Programming Guide.



Note: It is recommended that you read ALL the guide, and work out which keys you need to press, before commencing programming.



To enter Programming mode:

1. PRESS: **TEST**
STORE
2. Wait for the lights to stop flashing, and then the pump counter to display.
All Light are ON during this stage.
(Wait for all the lights to STOP flashing BEFORE pressing any more buttons).
3. Then PRESS: **HWC**
-
4. Then PRESS: **NEXT**
NEXT
5. And finally PRESS: **PUMP**
+
6. The 'PUMP' light will be flashing and the SolaStat-Plus is now in programming mode. Every 10 seconds the characters 'PRG' will flash on the display indicating you are in programming mode.

SolaStat-Plus-2 Programming Table.

Programming Table for Adjustable Values				
Adjustable Values	Light indication	Typical	Range	Disable / Function
Pump off (differential)	Pump flashing	6C	1-20C	n/a
Pump on (differential)	Pump steady	12C	2-21C	n/a
Holdoff Timer	HWC steady	4hrs	1-23hrs	<1hr = Thermostat Mode. Display = 'thr'.
				>23hrs = Reheat Mode. Display = 'OFF'.
Reheat Lower	HWC slow flash	40C	1-70C	<1C or Holdoff 'thr' = Disable. Display = 'OFF'.
Reheat Upper	HWC fast flash	55C	2-90C	Holdoff 'OFF' & Reheat Lower 'OFF'. Display = 'OFF'.
BioSafe	No lights at all	60C	50-70C	<50C = Disable. Display = 'OFF'.
Topout	Topout steady	80C	1-120C	<1C = Disable. Display = 'OFF'.
Frost	Frost steady	4C	1-10C	>10C = Disable. Display = 'OFF'.

Note 1. Pump on must always be higher than Pump off.

Note 2. Reheat upper must always be higher than Reheat lower.

Note 3. A disabled value is indicated by 'OFF'

Note 4. After each key press you have a minute to press the following key before the unit times out.

Example:	Differential Topout	12°C PUMP ON / 6°C PUMP OFF.
	Frost	95°C
	Holdoff Timer	Disabled.
	Reheat Lower	4 hours.
	Reheat Upper	40C.
	BioSafe	55C.
		60C.

1. Enter Programming Mode as described.

PUMP light is FLASHING. The SolaStat is ready to programme 'PUMP OFF' value.

2. PRESS: **PUMP** to increase, or: **HWC** to decrease 'PUMP OFF' value to '6'.
+ -
3. PRESS: **NEXT** when finished adjusting 'PUMP OFF'.
NEXT

PUMP light is steady ON. The SolaStat is ready to programme 'PUMP ON' value.

4. PRESS: **PUMP** to increase, or: **HWC** to decrease 'PUMP ON' value to '12'.
+ -
5. PRESS: **NEXT** when finished adjusting 'PUMP ON'.
NEXT

HWC light is steady ON. The SolaStat is ready to programme 'HOLDOFF TIMER' value.

6. PRESS: **PUMP** to increase, or: **HWC** to decrease 'HOLDOFF TIMER' value to '4'.
+ -
7. PRESS: **NEXT** when finished adjusting 'HOLDOFF TIMER'.
NEXT

HWC light is slow flashing ON. The SolaStat is ready to programme 'REHEAT LOWER' value.

8. PRESS: **PUMP** to increase, or: **HWC** to decrease 'REHEAT LOWER' value to '40'.
+ -
9. PRESS: **NEXT** when finished adjusting REHEAT LOWER'.
NEXT

HWC light is fast flashing ON. The SolaStat is ready to programme 'REHEAT UPPER' value.

10. PRESS: **PUMP** to increase, or: **HWC** to decrease 'REHEAT UPPER' value to '60'.
+
11. PRESS: **NEXT** when finished adjusting 'REHEAT UPPER'.
NEXT

No lights ON. The SolaStat is ready to programme 'BIO-SAFE' value.

12. PRESS: **PUMP** to increase, or: **HWC** to decrease 'BIO-SAFE' value to '55'.
+
13. PRESS: **NEXT** when finished adjusting 'BIO-SAFE'.
NEXT

The TOPOUT light is ON.

10. PRESS: **PUMP** to increase, or: **HWC** to decrease 'TOPOUT' value to '95'.
+
11. PRESS: **NEXT** when finished adjusting 'TOPOUT'.
NEXT

The FROST light is ON.

12. PRESS: **PUMP** to increase, or: **HWC** to decrease 'FROST' value to more than 10.
+

When this is done the word 'OFF' will be on the display. Frost protection is now disabled.

There are no more settings to adjust. It is now possible to keep PRESSING: **NEXT** to allow you to review or change the previously adjusted values.
NEXT

OR just PRESS: **TEST** at anytime to save the programmed values into permanent memory.
STORE

If no keys are pressed for a minute (at anytime during programming) the result will be the same as PRESSING: **TEST**
STORE

The SolaStat-Plus now will run with the new values programmed. It will remember these values for 100 years.

Note. The programming access code is for distributor or installer use only. Using incorrect settings can cause inefficiencies or damage to the system voiding the warranty.

Distributor.

