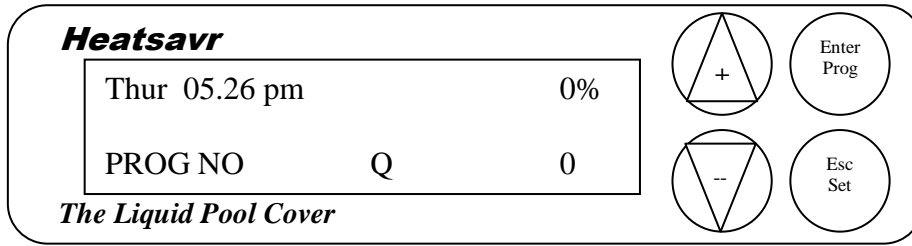


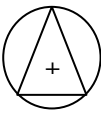
Heatsavr Dosing Pump (Version 2011L)

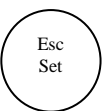
Set up & programming


1) General



The unit has a battery back up facility – battery and holder are supplied loose and must be fitted before use by inserting battery into holder and plugging holder into left hand side of printed circuit board below the screen.

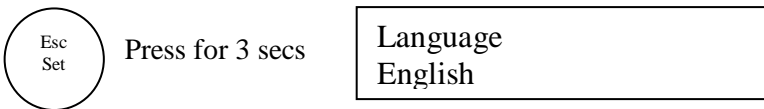
The pump can be activated manually by pressing and holding down  for 3 secs. Pressing again will stop the pump. This is particularly useful for priming the system.




Settings mode is entered by pressing and holding down  for 3 secs

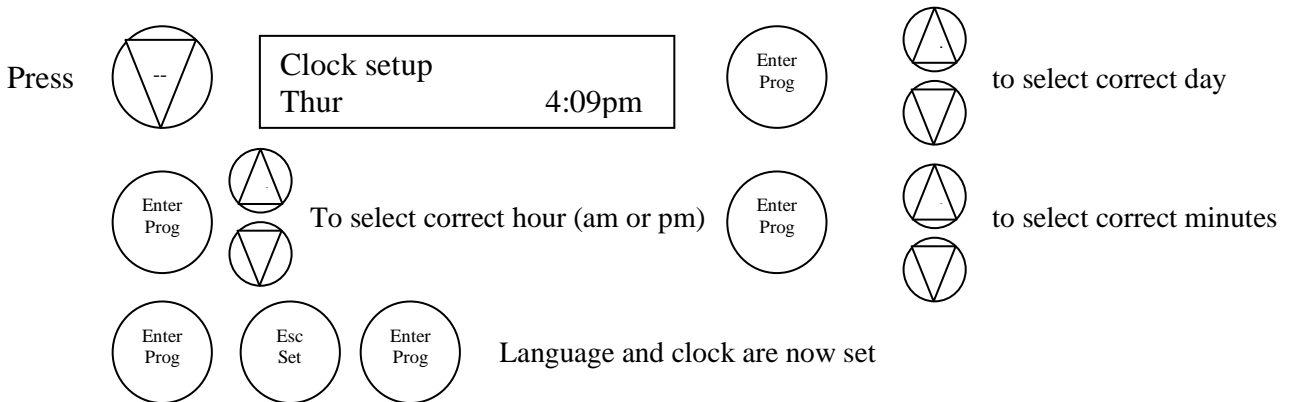
Programming mode is entered by pressing and holding down  for 3 secs

STAND BY mode can be activated by means of the switch on the right hand side of the case.

2) Language and Clock Setting



This is default language but can be changed if required by  then  until correct language 




3) Dose Rate

Standard dose rate for normal temperature pools is as follows:
Freeboard skimmer pool - 0.8 ml/m²/day. Level deck pool - 1.0 ml/m²/day




Example: Daily dose rate for 16 x 7 m level deck pool (112 m²) = 112 x 1.0 = 112 ml/day




For hydrotherapy or spa pools please consult Heatsaver

4) Programming




 for 3 secs

PO1	on	00:00 pm
-----	Q	0 ml




 adjust hour (am or pm) to suit dose time
 


 adjust minutes to suit time of dose with
 



PO1	on	10.15 pm
-----	Q	0 ml

 set days for unit to dose
 keep pressing until all days are showing
 


PO1	on	10.15 pm
MTWTFSS	Q	0 ml

 select required daily dose in "ml" with
 


PO1	on	10.15 pm
MTWTFSS	Q	100 ml

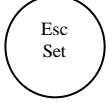
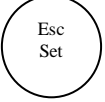
 adjust % speed to suit pool size with

PO1	Speed	50%
Durat.		0:00:52



Suggested % speed related to pool surface area as follows:

Up to 200 m² - 25%, 200 to 500 m² - 50%, 500 to 1000 m² - 75%, above 1000 m² - 100%

This figure is not critical. As speed is adjusted the duration of dosing (pump run time) is displayed in the bottom right corner of the screen.

 Then again 

Exit
Save


 to toggle "Save" or "No Save"

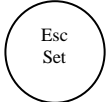

 PROGRAMME NOW SAVED or ABORTED

Please note that the pump is capable of 48 different programmes but for this application only one - PO1 is used



5) Calibration of dosing rate

Whilst for most systems the pump will deliver the amount programmed, the delivery rate may be affected a little by the filtration system, the location of pump and reservoir and the length of tubing etc. Therefore, once installed it is advisable to check and calibrate the pump as follows:



Place suction tube to pump in a measuring jug full of water. Prime the system as described under **General**





Calibration
ENTER to START


 To start  to stop after approx 30 sec

Quantity ?	100 ml	3.3oz
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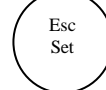
 To enter measured value if different
 



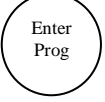
Quantity ?	100 ml	3.3oz
------------	--------	-------



Calibration
ENTER to START

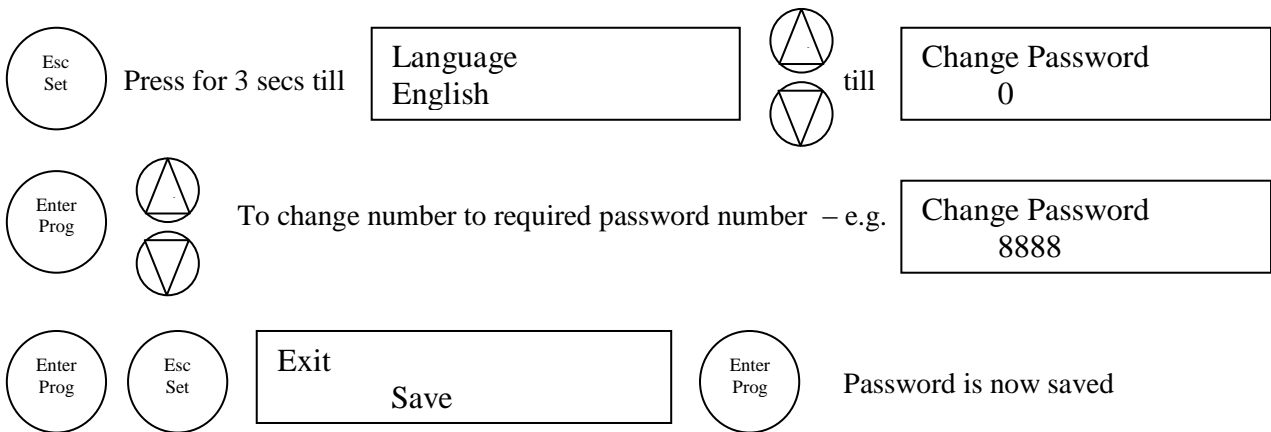


Exit
Save

 Calibration now set

6) Password Protection (if required)

A password can be set if required to prevent unauthorised access to the programming mode.



Once the password has been set the set up mode or programming mode can only be entered by entering the correct password as prompted.

7) Low Level Alarm Option

If a suction device with low level switch is fitted then this should ideally be wired after programming. If wired before programming then either the suction device will need to be inverted or immersed in liquid (by filling the day tank with Heatsavr or water to above the level of the float switch so that the switch is not activated).

If the low level switch is not in the open position it will not be possible to set up or programme the pump.

Once the low level switch is activated “Lev” will appear in the top RH of the screen and an audible alarm will sound.



Thur 05.26 pm	Lev
PROG NO Q	0

The pump will then not operate until Heatsavr liquid has been replenished.

8) Default Re-set

Should you experience a problem with programming or calibration the unit can be re-set to the “as supplied” default settings as follows:

Switch off the power supply to the unit.

Hold down both   simultaneously and whilst doing so switch the power supply back on again.

This should clear all existing programmes and restore settings back to factory default.