SR868C8 Basic Initial Setup - Suggested typical settings

This guideline is to be used in conjunction with the manual included with the controller. The following adjustments to the Factory Defaults are probably typical for an Evacuated Tube system. Making the appropriate Settings remains the responsibility of the installer.

Setting the time

Press Clock the **hour** indicator begins to flash
Press + or – until the desired hour is set.
Press Clock the **minute** indicator begins to flash
Press + or – until the desired minute is set.
Press Clock the **day** indicator begins to flash
Press + or – until the desired day is set.
Press Clock to complete the process.

To Change the Factory Default values:-

The SET button is used to enter into the settings tree, for selecting items, and to toggle between active or inactive on a given setting.
The + and – buttons are used for making adjustments to numerical values.
The ESC button is for accepting changes and climbing back up a menu level.

Disable EMOF and EMON (collector over temp, not needed on evacuated)

Password default is 0000. Don't change it unless you have good reason.

1. Press SET the PWD screen appears, digit one is adjustable using +- (or SET to move to next digit)
2. Press SET the PWD screen appears, digit two is adjustable using +- (ditto)
3. Press SET the PWD screen appears, digit three is adjustable using +- (ditto)
4. Press SET the PWD screen appears, digit four is adjustable using +- (ditto)
5. Press SET DT O appears
6. Press + DT F appears
7. Press + tHET appears
8. Press + TEMP appears
9. Press SET EMOF appears
10. Press SET the existing value is shown (130)
11. Press SET --- is displayed
12. Press ESC to accept the change

Disable CMX (Collector cooling function, not needed on evacuated)

If no longer in menu from above, repeat steps 1-9 from above.

13. Press + until CMX is displayed
14. Press SET the existing value is shown (110)
15. Press SET --- is displayed
16. Press ESC to accept the change

Enable CFR (Collector FRost protect if ever the manifold were to fall below 5 degC) (Needed if no antifreeze added nb. Default setting is OFF i.e. disabled)

If no longer in menu from above, repeat steps 1-9 from above.

17. Press + until CFR is displayed
18. Press SET the existing value is shown (---)
19. Press SET 05 is displayed
20. Press ESC to accept the change

Disable SMX (Stops pump if Maximum Tank temperature reached)
If no longer in menu from above, repeat steps 1-9 from above.
21. Press + until SMX is displayed
22. Press SET the existing value is shown (60)
23. Press + until --- (or adjust to your chosen value) is displayed
24. Press ESC to accept the change

To reset the unit back to all the factory settings- press SET 5 times, DT shows,press minus-, LOAD shows,
press SET, YES shows, hold SET down until 3 beeps are heard

ADDITIONAL FUNCTIONALITY EXPLAINED:

1/ Solar Circ pump is powered by output P1 when preset temp differential is reached see page 14 of main manual Max 240Watts

2/ Overheat function is powered by output relay R1 when preset maximum temp is detected on temp. probe T2 at tank base. Menu option FUN/BYPA see manual Page31. Max 840Watts This can operate a diverter valve or any suitable 240V ac device.

3/ Backup water heating option is powered from output H1 when THET is set to a minimum temperature. See page 15 of main manual. At preset time of day the system looks at the temp on T3 and powers the output if min. temp has not been reached, in order to heat water to required level. H1 can power a boiler or immersion heater to max 2.4Kw

4/ To manually switch the outputs on and off during commissioning stage:
Press SET 5 times.
Press – (minus) 3 times to get to HND (hand settings)
Press SET once
Toggle through outputs 1 to 4 using the minus button.
Select the output you wish to switch and Press SET
Toggle output using + sign for on and off.
Use ESC to move to new output number
HND1 is P1, usually the main circulation pump
HND2 is P2
HND3 is R1, typically used for overheat function
HND4 is H1, usually used for water immersion
Nb Functionality is limited if unit detects a probe fault.