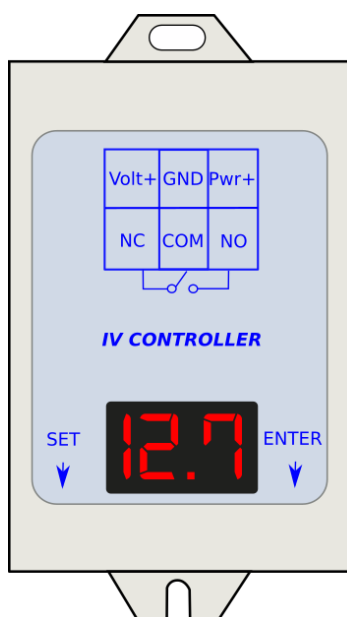


BOBIL VANS SOLARIS VOLTAGE CONTROLLER

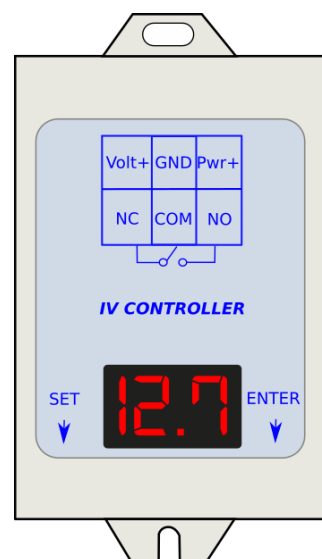
INSTALLATION INSTRUCTIONS





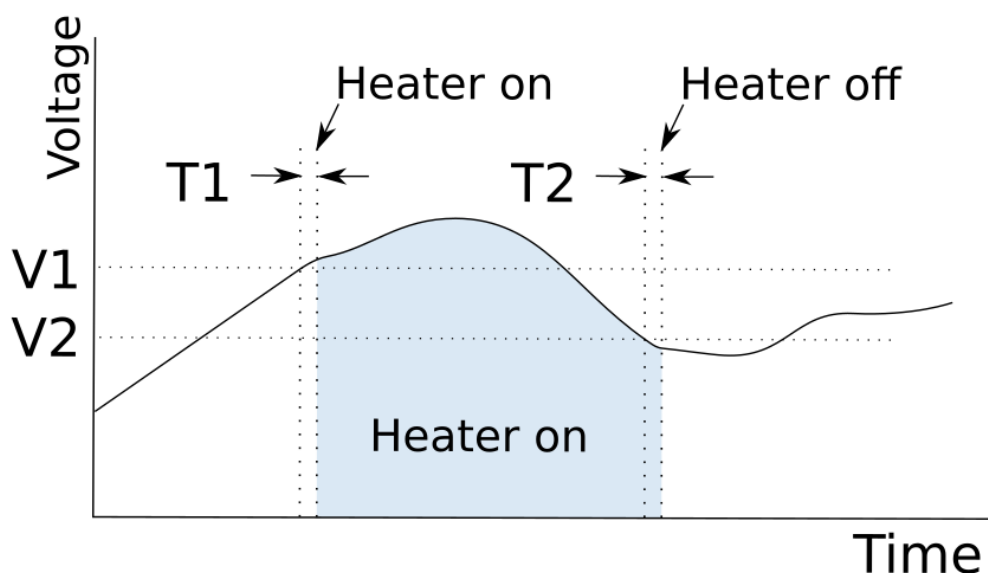
Voltage Controller Programming (Solaris – 12V/Dual Voltage)

For a video on programming the controller scan the code below:



The controller will wait for the battery voltage to go above the programmed limit ($V-1$). When it does, it will wait for a short time delay ($T-1$) before switching on the relay. The relay will stay closed until the voltage drops lower than the second programmed limit ($V-2$), when it will start a second time delay ($T-2$) before switching the relay off.

We recommend that $T-1$ is set to a minimum of 300 seconds which will stop the relay being switched too quickly if there is not enough power to maintain the voltage. Likewise, the second time delay should always be set to '0' so the relay clicks off quickly to free up power if there are any other loads placed on the battery.



Note that for the element to stay on, you must have enough power coming in to maintain the voltage. If the element is turned on then immediately goes off, it is because the power supplies are not sufficient.



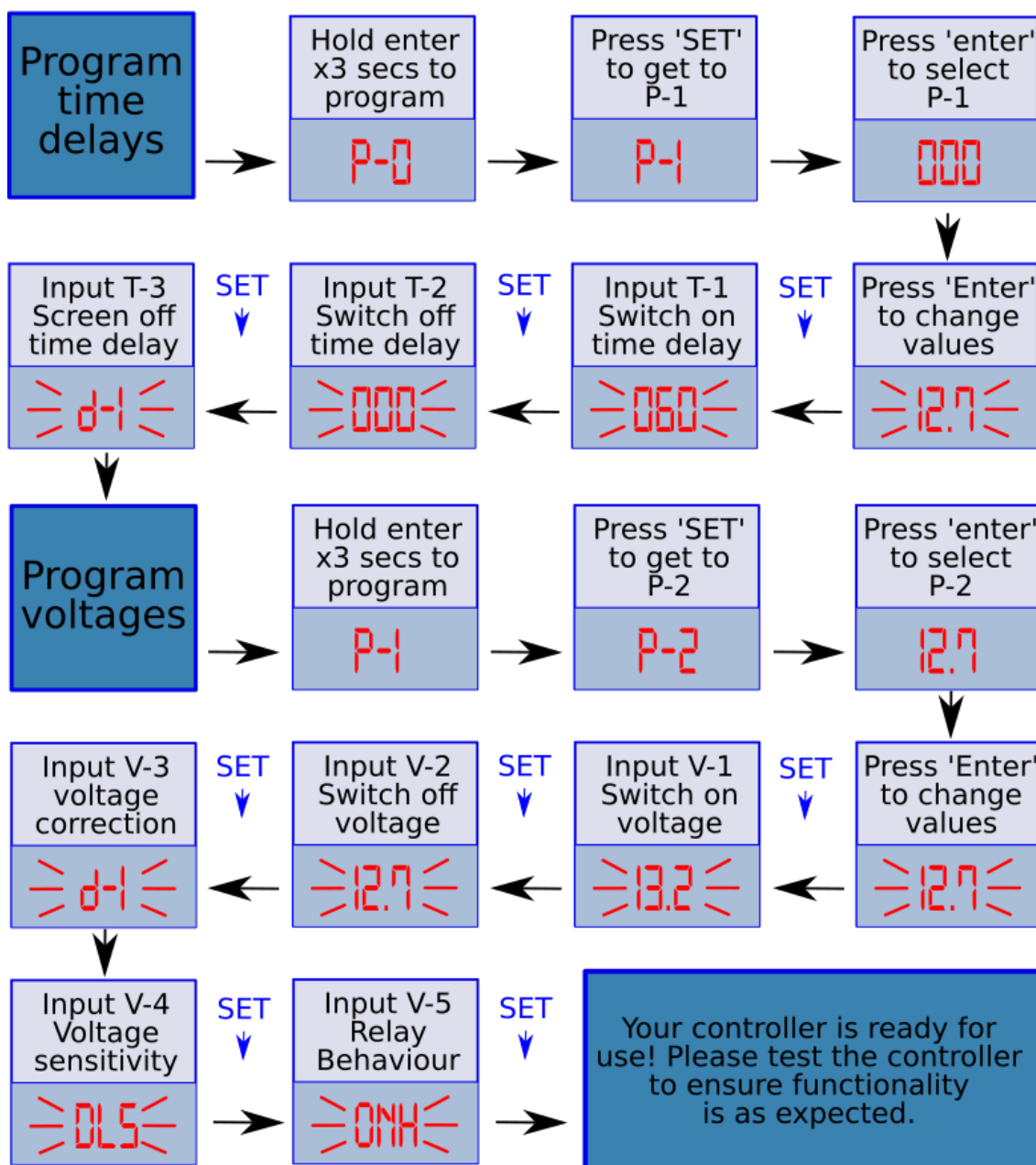
Suggested Solaris Values

The following voltages are only suggestions, you may need to alter them according to your battery and solar set up.

Suggested values	Turn on threshold (T1)	Turn off threshold (T2)
Lead acid/AGM batteries	14.0	12.8
Lithium batteries (Summer)	13.5	12.4
Lithium batteries (Autumn-Spring)	13.8	12.7

How to Program the Solaris

Press 'SET' to move characters
Press 'ENTER' to change the value





We would love to know what you think!

Please let us know by leaving a review through the link sent through when you made your purchase, or email us at info@bobilvans.co.uk!

You can also share photos of your installation on the 'Bobil Water Heater Users', Facebook page, we'd love to see them!

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