

These things look a bit complicated when you first have a look at them, but here are the key things to get your head around...

All your electrical systems will be connected up to the fuse box and a single control cable then attaches to your Control panel.

- a. So you can mount the control panel anywhere convenient without having to blank off a large section of your furniture just to hide the multitude of wires.
- b. The Fuse panel then goes somewhere accessible but not 'on display'

Note you should always disconnect the power supply while working on your electrical system.

Leisure Battery power supply.

1. Connect your leisure battery Negative to the earth (eg: a bolt into the van floor)
2. Connect Leisure battery Positive to terminal B2
3. Connect another Earth strap to terminal J3

Car battery power supply.

If you want the system's split charging ability enabled (for vans without a factory fitted start/stop function), and be to be able to check the car battery voltage on your control panel then:

1. Connect the cars D+ output to terminal J4
2. Connect Car Battery + to B1

D+ is a circuit which becomes live when the engine is running. Where you can pick up the D+ circuits depends on your van model and age, but typically you will find it in the fuse panel or, in a T5, on the headlight switch. Google your van model and D+ for a few suggestions.

Note: this system is not suitable for charging a T6 van.

Connection from Fuse box to Control Panel

Use 4 pin cable supplied and Connection JP11

Connect appliances according to the wiring diagram & key. One simple example of a common small campervan set up is as follows:

Compressor Fridge. Fuse is on F2

For the fridge to have permanently power supply:

1. Connect Negative to JP4 Terminal 4
2. Connect positive to JP4 Terminal 1

Lights. These are fused on F6 & F5

You can create 2 internal lighting circuits on separate fuses.

1. Circuit 1 negative connects to JP2 Terminal 3
2. Circuit 1 Positive connects to JP2 Terminal 1
3. Circuit 2 negative connects to JP2 Terminal 4
4. Circuit 2 Positive connects to JP2 Terminal 2

Both circuits will then turn on by pressing Light 1 on the control panel.

Second lighting circuit. Fuse is on F8

1. Connect Positive to JP5 Terminal 6
2. Connect Negative to JP1. Any terminal 1-9.

Switch is on the control panel with Light 2 icon.

12 volt power socket (eg USB or cigarette lighter style). Fuse is on F9

To hook up a 12volt plug:

1. Connect the plug Positive to JP5 Terminal 4
2. Negative connects to JP1. Any terminal 1-9.

Switch on AUX on control panel to power up the socket

Heater Fuse is on F3

To power a heater through through the fuse panel

1. Connect Positive to JP3 Terminal 1
2. Connect Negative to JP3 Terminal 3

Kitchen power supply for cooker ignition and water pump. Fuse is F7

We use the Pump switch to control supply to the kitchen so:

1. Connect cooker ignition and pump power Positive to JP5 Terminal 12
2. Connect Negatives to JP1. Any terminal 1-9.

Switch is the Tap icon on control panel

IMPORTANT : the system is supplied with fuses that are generally appropriate. However it is your responsibility to check that they are suitable for your individual set up and change them if necessary.

Some extra features that are relevant to some users:

Got a side step?

- Use JP3 Terminal 2 and 4 (see fuse box key for details)

Alternator charging indicator:

- Connect D+ to JP6 Terminal 1. This will indicate when ignition is on and alternator is operating and is also necessary for the split charging function to work (only for vans without a factory fitted start/stop function).

Battery Charge Power On indicator:

- Connect the Grey wire from our 21Amp battery charger to JP6 Terminal 2 . This will indicate when 240v power supply is connected.

Solar Panel connection:

- Connect your Regulator output to JP16 Terminal 2 (Positive) and Terminal 4 (Negative). This will then direct the power to your leisure battery and let the control panel know when charging is happening.

Battery charging - If you do not want to use the D+ method

- If you want to avoid having to run a cable from the D+, or want a slightly better connection relay then you can simply buy a Voltage Sensitive Relay and connect it to the B1 + B2 terminals, you will also need to run the VSRs earth wire to an earth connection on your van.