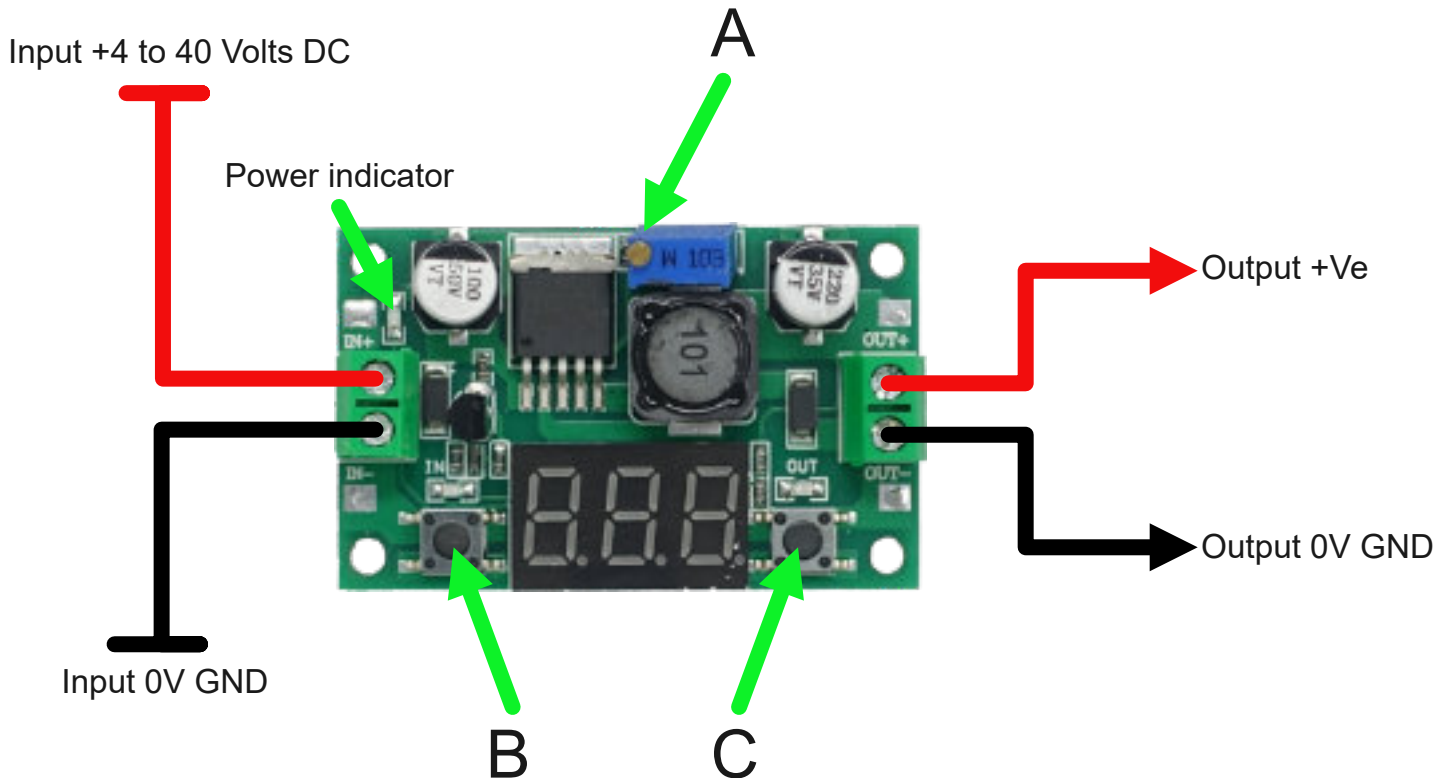


Connections



Operation

This DC to DC converter outputs a DC voltage from 1.2 Volts to 37 Volts. The input voltage must be at least 1.2 volts higher than the maximum required output voltage. I.e. if the input voltage is 12 volts then the maximum output voltage would be approximately 10.8 volts.

The output voltage is set by the multi-turn preset (**A**). Turning the preset anti-clockwise reduces the output voltage. Turning clockwise will increase the output voltage.

Note, the preset only adjusts between 1.2 volts and it's maximum as described above. If increasing the output voltage, once the maximum is reached, further turning (clockwise) will have no effect. When reducing the output voltage, if the preset is past the maximum then the output will only start to reduce once the preset is goes below the maximum threshold. If the output voltage is not decreasing then keep turning the preset anti-clockwise until the output starts to reduce.

The digital display displays both the input and output voltages. Pressing button **C** toggles the display between displaying the input or output voltage. There are 2 red LEDs just above buttons **B** and **C** to indicate the display mode. When the LED above button **B** is illuminated then the input voltage is being displayed. Conversely the output voltage is displayed when the LED above button **C** is on. Button **B** toggles the display on and off.

The maximum continuous current is 1.5 amps, the peak output current is 2 amps.

The output is short circuit protected. The unit will switch off if a short circuit is detected.

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