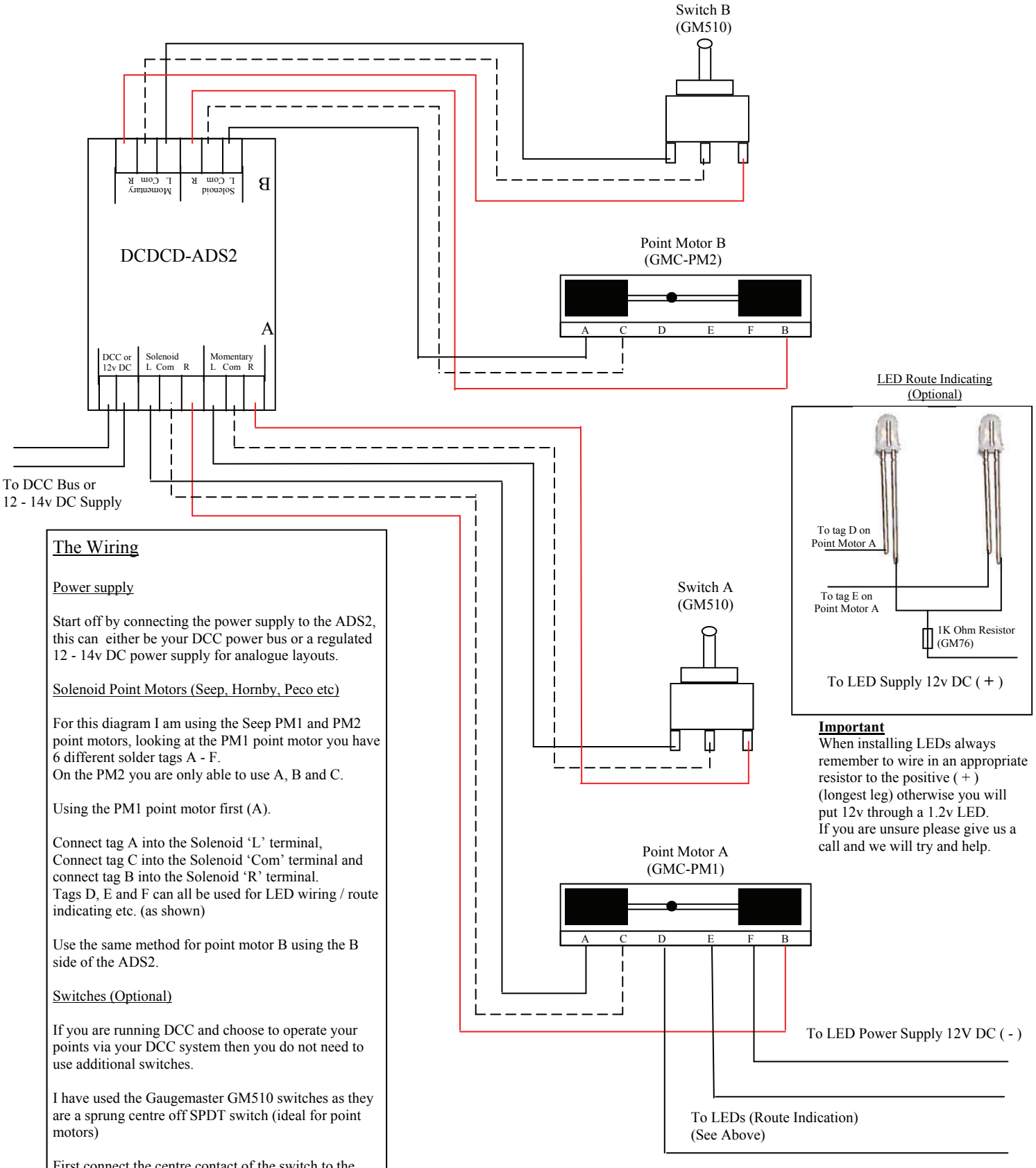
Wiring Diagram for the DCDC-ADS2 and ADS8



The Wiring

Power supply

Start off by connecting the power supply to the ADS2, this can either be your DCC power bus or a regulated 12 - 14v DC power supply for analogue layouts.

Solenoid Point Motors (Seep, Hornby, Peco etc)

For this diagram I am using the Seep PM1 and PM2 point motors, looking at the PM1 point motor you have 6 different solder tags A - F.
On the PM2 you are only able to use A, B and C.

Using the PM1 point motor first (A).

Connect tag A into the Solenoid 'L' terminal,
Connect tag C into the Solenoid 'Com' terminal and connect tag B into the Solenoid 'R' terminal.
Tags D, E and F can all be used for LED wiring / route indicating etc. (as shown)

Use the same method for point motor B using the B side of the ADS2.

Switches (Optional)

If you are running DCC and choose to operate your points via your DCC system then you do not need to use additional switches.

I have used the Gaugemaster GM510 switches as they are a sprung centre off SPDT switch (ideal for point motors)

First connect the centre contact of the switch to the Momentary 'Com' terminal, this gives the switch its common return.
Next connect the left hand contact of the switch to the Momentary 'L' terminal and lastly connect the right hand contact of the switch to the Momentary 'R' terminal.

Use the same method for Switch B using the B side of the ADS2.

Important
When installing LEDs always remember to wire in an appropriate resistor to the positive (+) (longest leg) otherwise you will put 12v through a 1.2v LED.
If you are unsure please give us a call and we will try and help.

If you need any further assistance please feel free to give us a call on 01903 884 321, or email us at technical@gaugemaster.co.uk.