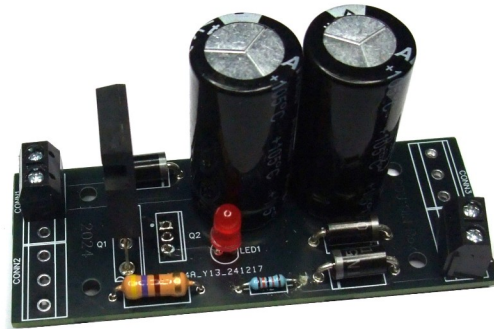
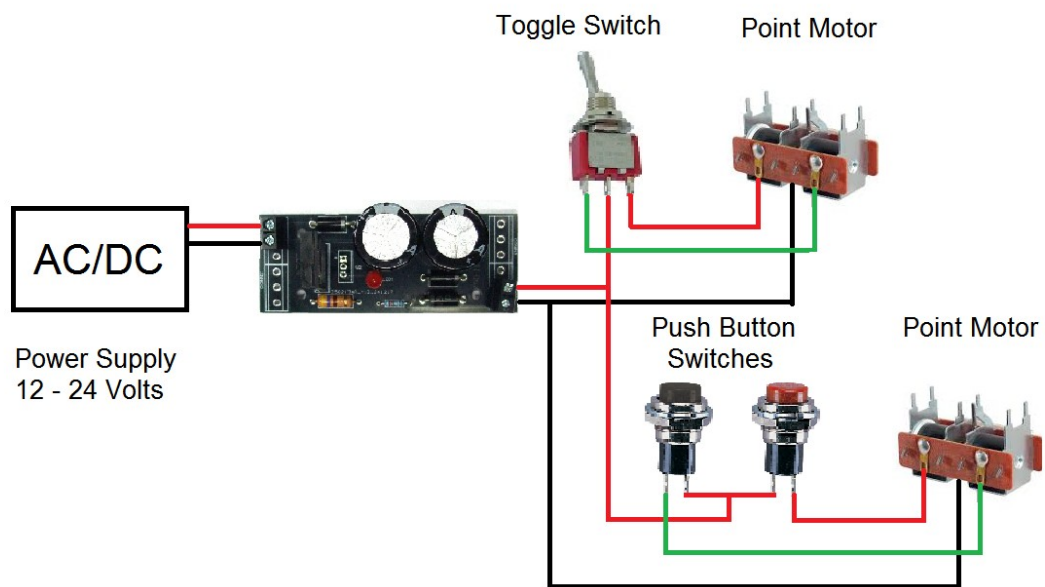


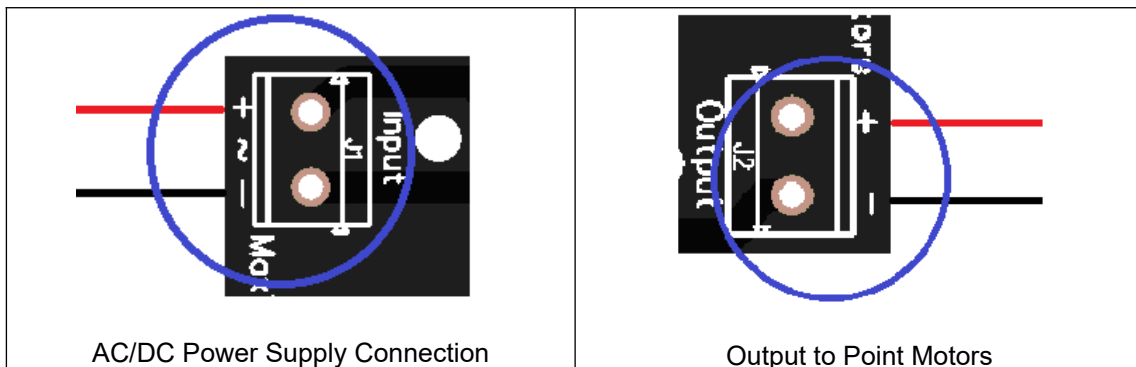
Capacitor Discharge Unit



Installation and Operation

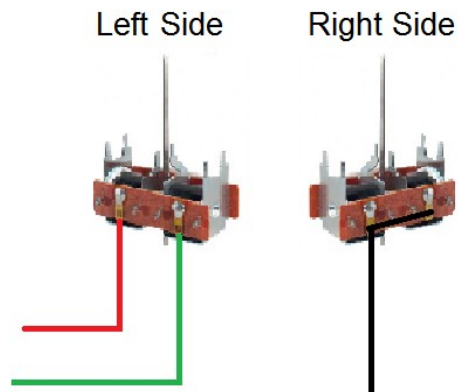


Wiring the CDU is very straightforward. Connect your AC power supply to the input terminals marked ~ (These can be connected on either terminal). If you are using a DC power supply connect to the same terminals (these are marked + and -). They must be connected the right way or the unit will not function.*



Connect two wires to the output terminals, + should go to the centre pin of the toggle switch and – terminal is connected to the coils of your point motor. Wires should be connected from either side of the toggle switch to the point motor. This can be repeated for other switches and point motors you want to control.

Point Motor Wiring



With all the switches in the off position, switch on the power, the LED on the CDU will illuminate. The unit is now ready for operation, when operating one of the point motor switches it will discharge the capacitors in to the coil of that point motor causing the points blades to move.

As you operate the switch the LED will go off, indicating all the energy from the unit has been discharged. The unit is now technically 'off' and no power can flow through the point motor causing possible overheating and burning it out. When the switch returns to the off position the CDU will immediately recharge the capacitors and be ready to be operated again.

*No harm will come to the CDU if these are incorrectly connected.

Specifications

Supply Voltage	12 - 24 Volts AC or DC
Maximum Wire Size	24/0.2mm (24SWG / 22AWG)
Dimensions	32 x 90 x 40mm
Weight	45g

Accessories

For large layouts or Club layouts where there is a lot of control equipment we can supply a DIN Rail housing, available with the option of a clear or opaque lid.

