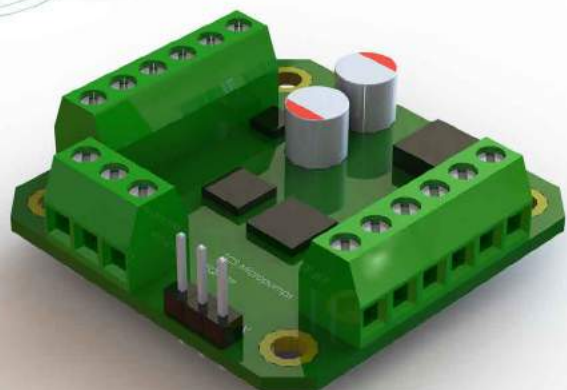




EQi-STP Overview:

STEPPER MOTOR CONTROLLERS

The EQi-STP controller is a small light weight stepper motor controller that can be installed in line with any TCS Stepper motor Micropump. It provides RPM control (0-1000RPM) can be quickly installed into small spaces, very robust and comes with features such as:

- Analogue Control
- Current Control
- Direction function
- Enable function (On/off)
- RPM Limit function
- UART Programmable

USABILITY

The Stepper motor controller allows use of the pumps full potential or a varying amount of performance depending on your requirements. This can be altered by via a 0-3.3V signal voltage; this can be controlled by an external potentiometer (Available as TCS-650) or altered via UART cable and our TCS interface program software. It also features an Enable function, Programmable output pin and controllable direction via input or UART function.

The EQi-STP controller is designed to operate on a supply voltage of between **12-24V** and MAXIMUM current of 1.8A.

The EQi-STP is UART programmable and can be controlled by PC interface. Software has been developed and is available to download directly from www.micropumps.co.uk to allow access to customisable settings and control of the EQi-STP with a user friendly interface. UART connectivity to PC.

TYPICAL APPLICATIONS

The EQi-STP has been designed and optimised for stepper motors in pump applications. It will work equally well with gear pumps, "R Pumps" or any other type of pump provided that it is driven by a stepper motor.

FEATURES

- Operating temperature -20 > + 50°C
- Simple screw release terminals
- Small in size (40 x 40 x 12mm EXCLUDING CASE)
- Weight 15g
- Control by 0-3.3v input, external pot or software.
- UART Programmable