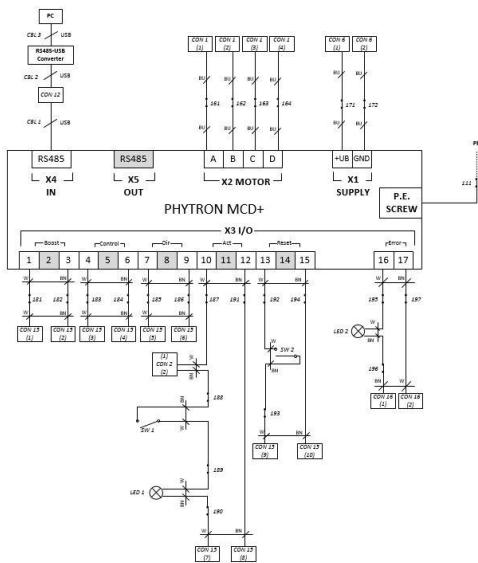


## Design overview

The stepper control unit is offered for bipolar control of 2-phase stepper motors with multiple applications in research laboratories and industry, due to its versatile control panel.

- Stepper motor with 4 or 8 lead wiring
- Phase currents up to 9Apeak
- Voltages from 24 to 70 VDC (Internal power supplies, 24V and 48V)
- Full step to 1/512
- Speeds up to 4.000 steps/s.

It includes specific graphical user interface software for PC.



## Specification

- Power Input 230 V<sub>AC</sub>, IEC C14 with EMI filter.
- Interfaces -INPUT-
  - 1 remote enable
  - 8 analog inputs: 5 x 10 bits and 3 x 12 bits resolution.
  - 4 x digital input/output
  - Joystick connection
  - Driver power input (internal or external sources can be connected).

## Functional highlights

- USB connection for PC and for direct driver and controller access.
- Motion parameter command: steps, speed, acceleration and direction.
- System parameter configuration: currents, resolution, and default direction.
- Joystick command for standalone operation mode.
- An external power supply can also be connected to the driver input connector, allowing voltages up to 70VDC.
- 3U enrackable aluminum case

## Applications

- Rapid development of motion testing platforms
- Portable solution

## References

Stepper Control Box used in:

- Motion test lab and factory at AVS.

## Contact Information