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*Image is for illustrative purpose only*

**This motion control box is able to drive 2 actuators with stepper motor.**

## 1 - Design

This motion control box is a self-system which integrates a two axis motion controller for bipolar stepper motor, power supplies, communication and indicators.

It is able to manage the limit sensors (max and min) and homing sensor with possibility to enable, disable and software configuration of each sensor.

Each axis is independent and has one analog control input which allows making an external position control.

## 2 - Applications

- Driving of Positioning actuator based on stepper motor
- Driving of laboratory system with Windows GUI application
- Demonstration software (Windows) supplied

### 3 - Technical features

CHARACTERISTICS	VALUES
Power supply	85-240VAC/50-60Hz
Input current	1A
Axis number	2
Motor type	Bipolar stepper with 4 wires
Motor current	1A RMS, 2A peak
Communication	RS232 (ASCII)
Axis adresse	Manually configurable by the user (DIP switch)
Digital inputs	6 limit sensors (LIMIT+, LIMIT- and HOME for each axis)
Analog inputs	2 inputs $\pm 10V$ 10 bits (BNC connector)
Outputs	2 actuator outputs (DIN connector with 8 contacts)
Indicators	Voltage presence, move and default for each axis
Dimensions (L x W x H)	290x180x120mm
Weight	1kg