



## Two axis motion control box For stepper motors without encoder

updated : 2013/07/31

page 1

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



Image is for illustrative purpose only

### **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.

### **Applications :**

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



## Two axis motion control box For stepper motors without encoder

updated : 2013/07/31

page 2

### Technical features :

<b>Power supply</b>	85-240VAC/50-60Hz
<b>Input current</b>	1A
<b>Axis number</b>	2
<b>Motor type</b>	Bipolar stepper with 4 wires
<b>Motor current</b>	1A RMS, 2A peak
<b>Communication</b>	RS232 (ASCII)
<b>Axis adresse</b>	Manually configurable by the user (DIP switch)
<b>Digital inputs</b>	6 limit sensors (LIMIT+, LIMIT- and HOME for each axis)
<b>Analog inputs</b>	2 inputs $\pm 10V$ 10 bits (BNC connector)
<b>Outputs</b>	2 actuator outputs (DIN connector with 8 contacts)
<b>Indicators</b>	Voltage presence, move and default for each axis
<b>Dimensions (L x W x H)</b>	290×180×120mm
<b>Weight</b>	1kg