

Manual Position Control

The MC-5B Micro Positioning Controller from National Aperture, Inc. was designed for ease of use and effortless integration into any application. The MC-5B is a low-cost, quick-setup solution for those applications requiring precise position control of motorized stages. Incorporated into this all-in-one controller is a keypad/display interface, a 750mA 12V linear DC motor amplifier, single ended (TTL) A/B quadrature encoder inputs, 5 volt limit switch inputs and a serial communication interface.



The MC-5B functions seamlessly as a single axis, stand-alone system or as a multi-axis networked system, either with or without a PC. The peer to peer network architecture makes it possible for every MC-5B in a multi-axis system to control every axis in the motion system. No software development or complex wiring is required. The controllers themselves may be programmed to store and recall positions and to sequence through stored positions with looping, pausing and user/program interaction. Automation may also be driven serially from a PC or host processor.

Benefits:

- Instant "Out-of-the-Box" Motion Control
- A Low Cost, Integrated Motion Solution
- No need to write additional motion commands
- Perfect for Rapid Development, Prototyping, Bread Boarding, Proof-of-Concept,
- Small OEM lots where delivery is Critical

Features:

- Communicate to any node on the system through your PC's Serial Port
- Up to 99 MC-5B controllers can be configured on a single motion system
- Control all nodes from any node on the motion network
- Original Settings are retained
- Configure each unit as a node on the network with a unique node number
- Broadcast Single or Multiple Motion Commands to one node or all nodes at the same time;

Options:

MC-5B Encoder Wheel:

Continuous bi-directional ultra-precision control.
Detent value can be configured via the MC-5B menu selections.

MC-5B Joystick:

2-axis, 2-speed precision joystick manual control. High and low speed values configured via a simple jog rate control using the menu selection feature.



Model MC-5B Encoder Wheel

Single Axis Manual Positioning Control for the MC-5B Servo Controller

Features:

- Manually adjust Linear or Rotary position without writing any software
- Just plug it in and you are ready for precision positioning
- Each “click” of the Encoder Wheel generates motion in increments that you define.
- Easy to use remote control.
- Large velcro base for easy, stable surface placement
- Package includes all required cabling

Model MC-5B Joystick

Single or Dual Axis Manual Positioning Control for the MC-5B Servo Controller

Features:

- Manually adjust Linear or Rotary position without writing any software
- Just plug it in and you are ready for precision positioning
- Integrated 2-Speed Control; Standard Jog and Accelerated Jog
- Integrated Dual Axis Positioning System be used on one or two MC-5B Servo Controllers.
- Easy to use remote control
- Large velcro base for easy, stable surface placement.
- Package includes all required cabling