

Note: dashed lines indicate dimensions for rack mount handles.

Feature Summary:

- 1 to 4 axis motor drives
- Servo or micro-step drives
- Interfaces directly to motion controllers from Galil, National Instruments & Delta Tau
- Desktop & rack mount 3U x 19"
- 48 & 75 VDC motor supply option
- Integrated motor power control system
- Many different cable options
- 110 or 220 VAC, 50/60 Hz input

Overview

The Primatics MDC400 is an integrated multi-axis motor drive system in a 3U tall chassis. A motion controller interface card is included, eliminating all user wiring between the controller and drives. Removable drive modules offer mix and match capability that lets you design the motion control system that is best for your particular application.

Drives

The MDC400 supports 1 to 4 drives. For the sake of easy configuration and maintenance, each drive is connected via a simple plug-in module. Drive cards are available for brush and brushless servo

motors (including linear motors). Other drive card options include micro-step drivers and custom device interfaces.

Safety System

An integrated motor power control circuit eases integration into a work cell or machine safety system.

Connectors & Cables

Each drive card is terminated with a robust circular connector. Connection diagrams and cable assemblies are available for many applications.



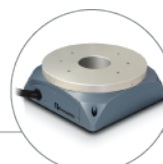
MDC400 Back View with Galil Motion Controller

For more information and a complete datasheet, go to www.primatics.com

| Performance Specifications | MDC400 |
|---------------------------------|--|
| Number of Motion Axis | 1 to 4 |
| Motor compatibility | DC brushed servo, DC brushless servo, and stepper |
| Controller compatibility | Galil Optima, Galil Accelera, Delta Tau PMAC 2, National Instruments |
| Motor Voltage (VDC) | 48 or 75VDC |
| Continuous Output Power (watts) | 700 or 1500 |
| Peak Output Power (watts) | 1400 or 3000 |
| Dimensions (H x W x D) (mm) | 133.4 x 449.3 x 449.3 |
| Operating Temperature (deg C) | 0 to 45 |
| Storage Temperature (deg C) | 0 to 75 |
| Weight (kg) | 15 |



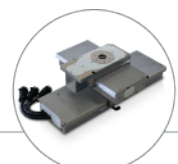
Linear Positioning



Rotary Positioning



Motion Controls



OEM Solutions

MODEL NUMBER CONFIGURATION

OPTIONS :

SAMPLE MODEL NUMBER :

MDC0400 R 4 -48V W4 C1 -D1 -D3 -D3 -D4 -XXXX

- Model Series**
1-4 Axis MDC0400]
 - Chassis Configuration**
Rack Controller R]
Desktop Controller D]
 - Number of Axes**
1 Axis 1]
2 Axis 2]
3 Axis 3]
4 Axis 4]
 - Amplifier Bus Voltage**
48V 48V]
75V 75V]
 - Chassis Power Output**
700 Watts W1]
1000 Watts W4]
 - Communication Interface¹**
Galil Optima C1]
Galil Accelera C5]
Delta Tau PMAC 2 C2]
NI-7344 C4]
 - Driver Card (specify one for each axis)²**
Brushless Servo - Trapezoidal D1]
Brushed Servo D3]
Microstepping Step Drive D4]
Brushless Servo - Sinusoidal, Digital Drives D7]
User Axis D9]
 - Customization Code (optional)**
Leave blank for 110VAC operation
220VAC operation with a NEMA 6-15 plug 220US]
220VAC operation with a European (Schuko) plug 220EU]
220VAC operation with a British Standard plug 220BS]
- Other codes assigned by factory.

¹Call factory for custom controller interfaces.

²The Drive Options are based on the following:

- D1 - Trap drive, 6A continuous, 12A peak, 20-85V
- D3 - Trap drive configured for brush operations, 6A continuous, 12A peak, 20-85V
- D4 - Step drive, 5A RMS/7A peak, 24-75V
- D7 - Digital sinusoidal drive, 3A continuous, 9A peak, 20-85V
- D9 - User axis

