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TECHNOLOGY GROUP

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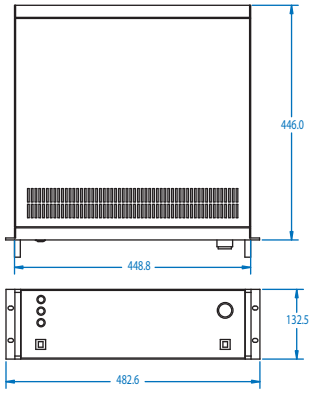
MDC1400 Series Motor Drive Chassis

MDC1400 SERIES



Feature Summary:

- 1 to 4 axes of motor drive
- Integrated Galil motion controller
- Ethernet or RS-232 interface
- Drive options for servo and stepper motors
- 48 & 75 VDC motor supply option
- Integrated motor power control system
- Compatible with all Primatics positioning stages as well as 3rd party motors and stages
- Easy to program with support for DOS, Linux and all versions or Windows
- 110 or 220 VAC, 50/60 Hz input



Overview

The Primatics MDC1400 is a highly integrated multi-axis motion control system in a 3U tall chassis. A Galil high performance motion controller is embedded, offering advanced features such as PID compensation with velocity and acceleration feed-forward, program memory with multitasking for simultaneously running up to four programs, and uncommitted I/O for synchronizing motion with external events. Modes of motion including point-to-point positioning, jogging, linear and circular interpolation, contouring, electric gearing and ECAM. The MDC1400 uses a simple, English-like command language which makes it very easy to program. Communication drivers are available for DOS, Linux and all current Windows operating systems. RS232 & Ethernet 10-base-T are standard communication interfaces.

Drives

All power supplies, wiring and safety circuits are contained in the chassis, and the appropriate motor drive is installed for your application. Drives features a separate control card and can be connected to motion axes with a variety of accessories. Drives are available for servo (brushed and brushless) and step motors.

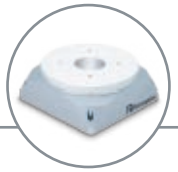


MDC1400 Back View

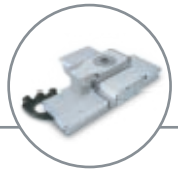
For more information and a complete datasheet, go to www.primatics.com

Performance Specifications	MDC1400
Number of Motion Axis	1 to 4
Motor Compatibility	Brush and brushless rotary and linear, stepper
Motion Controller	Galil 21x3 Series
Motor Voltage (VDC)	48 or 75VDC
Continuous Output Power (watts)	700
Peak Output Power (watts)	1400
Dimensions (H x W x D) (inch)	5.25 x 17.56 x 17.25
Operating Temperature (deg C)	0 to 45
Storage Temperature (deg C)	0 to 75
Weight (kg)	15


Linear Positioning


Rotary Positioning


Motion Controls


Engineered Solutions

Primatics

MODEL NUMBER CONFIGURATION

OPTIONS:

Model Series
1-4 Axis Controller **MDC-1400**

Chassis Configuration
Rack Controller . . . . . **R**
Desktop Controller . . . . . **D**

Number of Axes
1 Axis **1**
2 Axis **2**
3 Axis **3**
4 Axis **4**

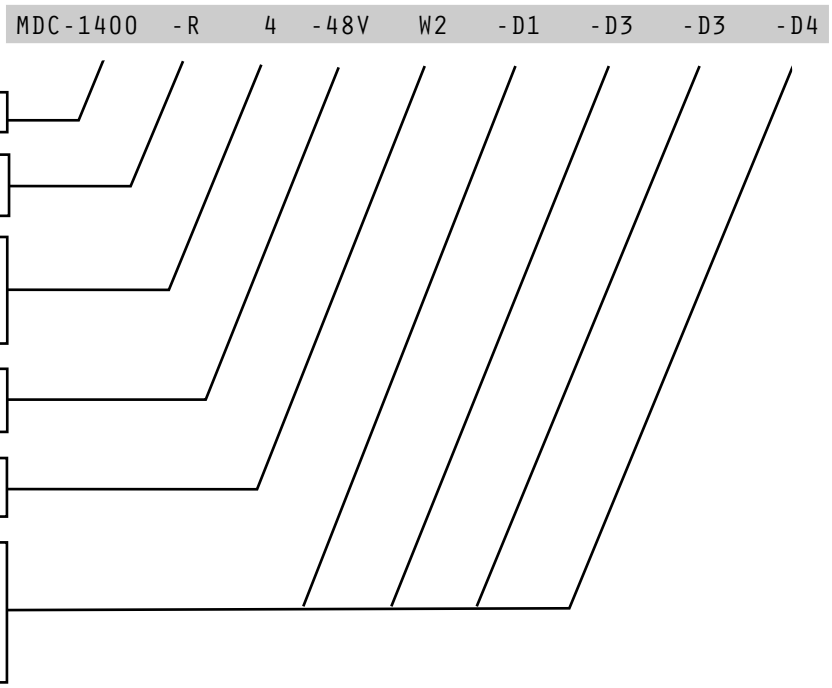
Amplifier Bus Voltage
48V **48V**
75V **75V**

Chassis Power Output
700 Watts **W1**
1000 Watts. **W2**

Driver Card
Brushless Servo - Trapezoidal **D1**
Brushed Servo **D3**
Microstepping Step Drive, With Encoder. **D4**
Microstepping Step Drive, No Encoder. **D5**
Brushless Servo - Sinusoidal, Digital Drives. **D7**

[1] **Call factory for custom controller interfaces.**

SAMPLE MODEL NUMBER:



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