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- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

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MOTOMATIC II SERVO AMPLIFIER



The Motomatic II is an accurate and easy-to-use servo amplifier. With its family of motors, gearmotors and optional optical encoders, Motomatic II continues our tradition of matched components. A new design puts the emphasis on ease-of-use, providing both novice and sophisticated servo users with high performance and flexibility.

HIGH PERFORMANCE

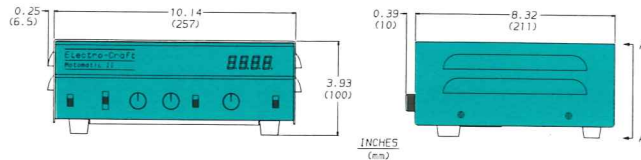
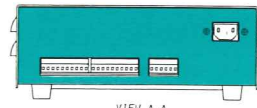
- Four-quadrant speed and torque control
- PWM amplifier with 25 kHz switching frequency
- Unique stabilization circuitry allows wide range of load inertias
- Up to 6 amps peak current with automatic foldback
- Automatic power dump regulates bus voltage when decelerating

EASY-TO-USE

- Comprehensive front-panel controls
- Digital display reports speed or torque with the flip of a switch
- Plug and play:
 - Connector accepts 6-foot motor cable
 - Drive plugs directly into the wall
- Easy adjustments for quick motor/drive configuration (Factory configuration and calibration also available)

FLEXIBLE

- Easily configures to wide range of motors
- Accepts wide range of input power
- Lightweight and portable - no power transformer required
- Allows remote user connections (current limit, external VCS, clamps)



PERFORMANCE CHARACTERISTICS

Peak Output Current	6 Amps
Max. Continuous Current	3 Amps
Motor Supply Voltage	36 VDC

ELECTRICAL CHARACTERISTICS

Input Signal Voltage	±10 VDC (±20 Max)
Input Impedance	22 kOhms
Typical Input Amplifier Drift	10 μV/°C
Switching Frequency	25 kHz Nominal
Dead Band	Zero
Automatic Current Foldback	50% Approx.
Foldback Time Constant	.05 Sec. at 6 Amps
Recovery Time Constant	1.0 Sec. at 1.5 Amps
Power Dump Current	4 Amps at 40 Volts
Max. Continuous Dump Power	5 Watts
Motor Current Output (1 kOhm Output Impedance)	0.5V/Amp
Auxiliary ± 15 VDC Supply	30 Milliamps

INPUT POWER REQUIREMENTS

Single-Phase Input Voltage	115 or 240 VAC
Input Frequency Range	47-440 Hz ±10%

PHYSICAL CHARACTERISTICS

Weight	6.5 lb. (2.9 kg)
Temperature - Operating	32 to 122°F (0 to 50°C)
Temperature - Storage	-40 to 158°F (-40 to 70°C)
Relative Humidity	5-95% Noncondensing

MOTOMATIC II ORDERING INFORMATION

Description	Part Number
Motomatic II, 115 VAC	9078-0120
Motomatic II, 240 VAC	9078-0122
Calibration - Optional purchase	

DC SERVO SYSTEMS



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