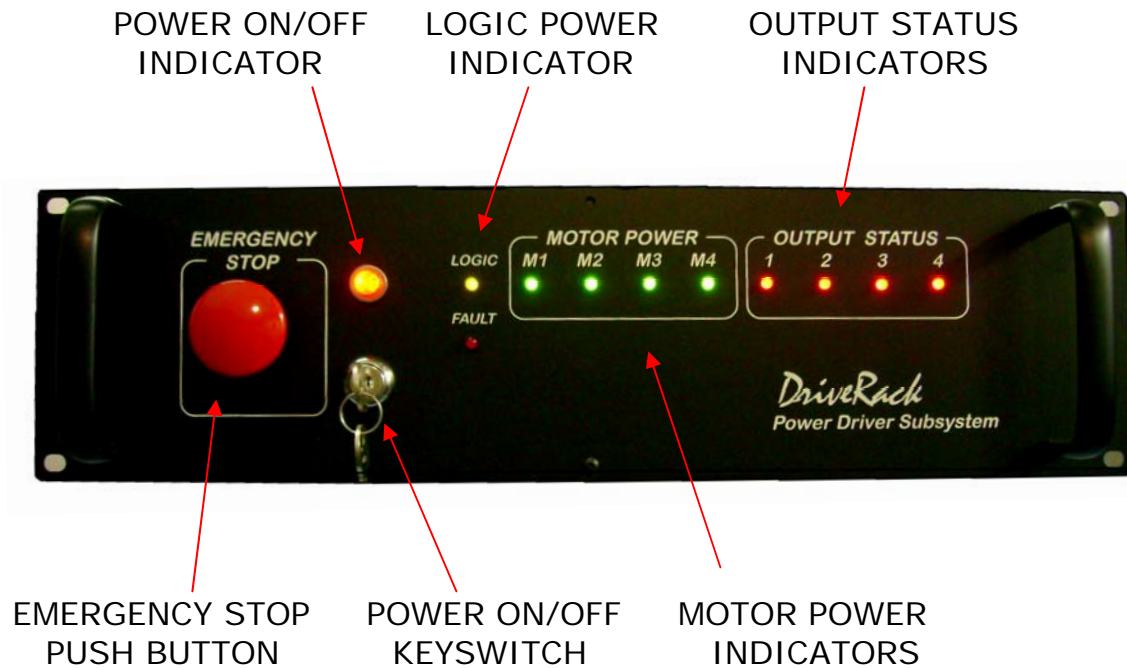


DriveRack Multi-Axis Power Driver



FEATURES AND BENEFITS

- Rugged all steel construction shields against RFI/EMI interference
- Completely wired and tested system for ease of installation
- Emergency stop and keylock for improved safety
- High (105) CFM fan increases reliability
- Externally removable and washable fan filter eases maintenance
- Solid state relays for AC control allows control of external devices

MicroKinetics' DriveRack is a rugged, enclosed unit suitable for benchtop and rack mount use. It houses an MN400 controller, all drive electronics, indicator lights, an electronically latched ON/OFF keylock switch, an emergency stop button, solid state relays to control spindle, vacuum, coolant, etc., a powerful fan, motor drivers, and power supplies. The DriveRack provides a complete multi-driver system that is ready for immediate use. It features USB and RS-232 communications. The DriveRack is available in full/half-stepping models and microstepping models.

<i>Product</i>	<i>Order #</i>
<i>2 axis 80V F/H stepping</i>	<i>999-3400-212</i>
<i>2 axis 80V microstepping</i>	<i>999-3400-214</i>
<i>3 axis 80V F/H stepping</i>	<i>999-3400-312</i>
<i>3 axis 80V microstepping</i>	<i>999-3400-314</i>
<i>4 axis 80V F/H stepping</i>	<i>999-3400-412</i>
<i>4 axis 80V microstepping</i>	<i>999-3400-414</i>

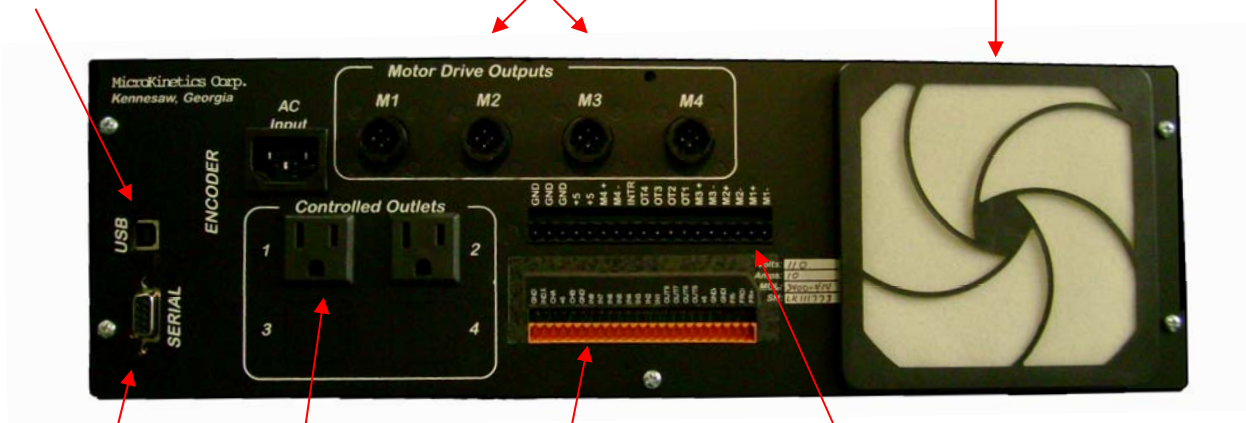
SPECIFICATIONS:

Drive circuit	Bipolar constant current
Chopping rate	20 kHz nominal
Voltage	80 VDC
Output current	Up to 10A per phase
Stepping mode	Half/full or micro, depending on model
Current cutback	Half current after 1/2 second of idle
Limit switch inputs	8 TTL compatible, active low
Shield switch input	1 TTL compatible, active low
Auxiliary inputs	8 open-collector
Control outputs	Up to 4 solid-state relays; up to 8 open-collector outputs
Motor control outputs	4 connections per axis
Working temperature range	32°–158°F (0°–70°C)

USB PORT

MOTOR CONNECTIONS

FAN WITH REPLACEABLE FILTER



RS-232 PORT

CONTROLLED OUTLETS

ENCODER INPUTS
AUX INPUTS 1 – 8
OUTPUTS 5 – 8
FEED RATE OVERRIDE

LIMIT SWITCH INPUTS
OUTPUTS 1 – 4

