


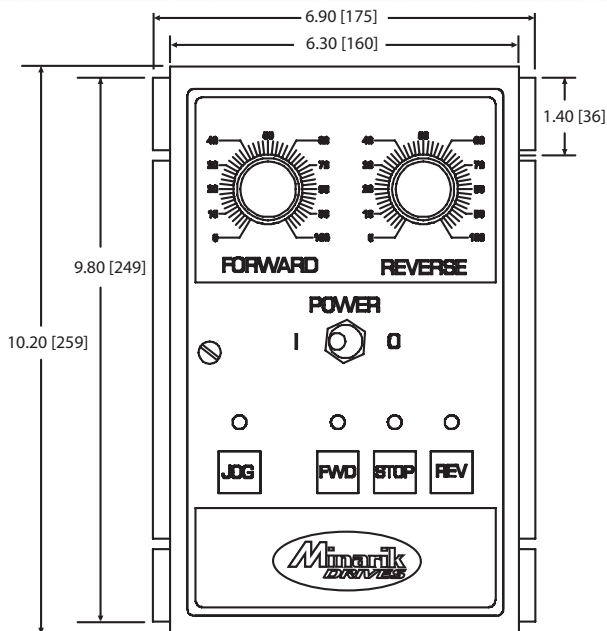


Drive	Input Voltage (VAC)	Output Voltage Range (VDC)	Max. Armature Current	HP Rating @ 90 VDC Output	HP Rating @ 180 VDC Output	Enclosure	Reversing	Isolation	Field Supply (VDC) ****	UL Listed 	CSA 	CE TUV 
RG511A	115 / 230	0-90 / 0-180	3	1/20 - 1/4	1/10 - 1/2	NEMA 4X	YES	—	YES	YES	—	—
RG501A	115 / 230	0-90 / 0-180	10	1/4 - 1	1/2 - 2	NEMA 4X	YES	—	YES	YES	—	—

**** The field supply is rated at 1 amp. A 50/100 VDC field is available with 115 VAC input and a 100/200 VDC field is available with 230 VAC input.

RG5x1A DIMENSIONS



Height: 5.50 [140]

All dimensions in inches [millimeters]

FEATURES

- **NEMA 4X enclosure:** Rugged metal, corrosion resistant, weatherproof enclosure that protects against dirt and splashing water.
- **4Q reversing:** Regenerative / 4 quadrant drives have the ability to perform quick and contactorless reversing on-the-fly.
- **Speed range, regulation, & form factor:** 1% of base speed regulation with a 50:1 speed range. 0.1% of base speed regulation with a 60:1 speed range with the addition of tachogenerator feedback. 1.37 form factor at maximum rated voltage.
- **User adjustable calibration pots:** Minimum Speed, Maximum Speed, Forward Current Limit, Reverse Current Limit, IR Compensation, Forward Acceleration, Reverse Acceleration, Deadband, Tachogenerator Feedback, Forward Jog, Reverse Jog and Dwell Time.
- **Diagnostic LEDs:** LEDs for jog, forward, reverse, and stop.
- **Stopping modes:** User can regeneratively brake to a stop with a local or remote push button.
- **Cage clamp and screw terminal block:** Quick, secure and easy wire terminations.
- **On board fusing:** No need to add external fusing for protection of your drive.
- **RoHS:** All RG501 series models are RoHS compliant.

The RG501A/RG511A are dual voltage, full-featured regen drives in a rugged enclosure. These high performance drives maintain motor speed with automatic motoring and braking torque, while allowing high-duty cycle reversing and braking, great for limit switch applications.

The RG501A/RG511A have conveniently mounted operators. Included are a power on/off switch and separate forward and reverse speed potentiometers so independent speeds for each direction are easily set. Controlling the motor is easy too, by pressing a button on the membrane panel for stop, run, reverse, or jog (jog speed is adjustable). The user can also wire in remote pushbuttons in conjunction with the on-board buttons.

Included and wired into the RG501A/RG511A package is our limit switch logic board (200-0386A). This mini-PLC can operate in one of nine modes between limit switches including continuous cycling, single cycle, dwell and more—including adjustable stop and dwell times!

See page 52 for an in-depth comparison of the different 4Q drives.



RG501A
RG511A