



# Motorized Feed Control for RC2000 Antenna Controllers

Two Optional plug-in boards make control of a motorized rotating feedhorn simple when using Research Concepts' Inc. RC2000 antenna controllers. Model RC2KPOL is designed for feeds requiring low to medium drive current. Model RC2KHPP is designed for feeds requiring higher voltages and /or drive currents.

## Features Common to both RC2KPOL and RC2KHPP

- Works with feeds that have DC motor drives and  potentiometer position feedback.  
Use with 500 ohm to 10K ohm potentiometers
- In-field upgradable. Feed drive modules install internally to the RC2000.
- Simple 5-wire interface.
- Software programmable motion limits.
- Precision voltage reference and 10-bit digitization for accurate positioning.
- True Polarization Angle display
- Vertical and Horizontal Polarization repositioning can be slaved to the satellite receiver.
- Integral ESD Protection
- For use with the RC2000A for *geostationary* satellites or the RC2000C for *geostationary and inclined orbit* satellites.
- Drives AC Polarization Motors with Model RC2KINT drive interface box.

## Features Specific to RC2KPOL

- Compatible with Seavey Engineering Single and Multi-Port 24V rotating Feeds.
- Also Available with 5, 12, 15, and 18 volt fixed outputs.
- Rated at 400mA output current peak currents to 0.8A.

## Features Specific to RC2KHPP

- Output voltage is continuously adjustable between 5 and 40 VDC.
- capable of supplying 3 Amperes continuously.
- FET H-bridge driver.
- Integrated Over-current sensing and fault management.

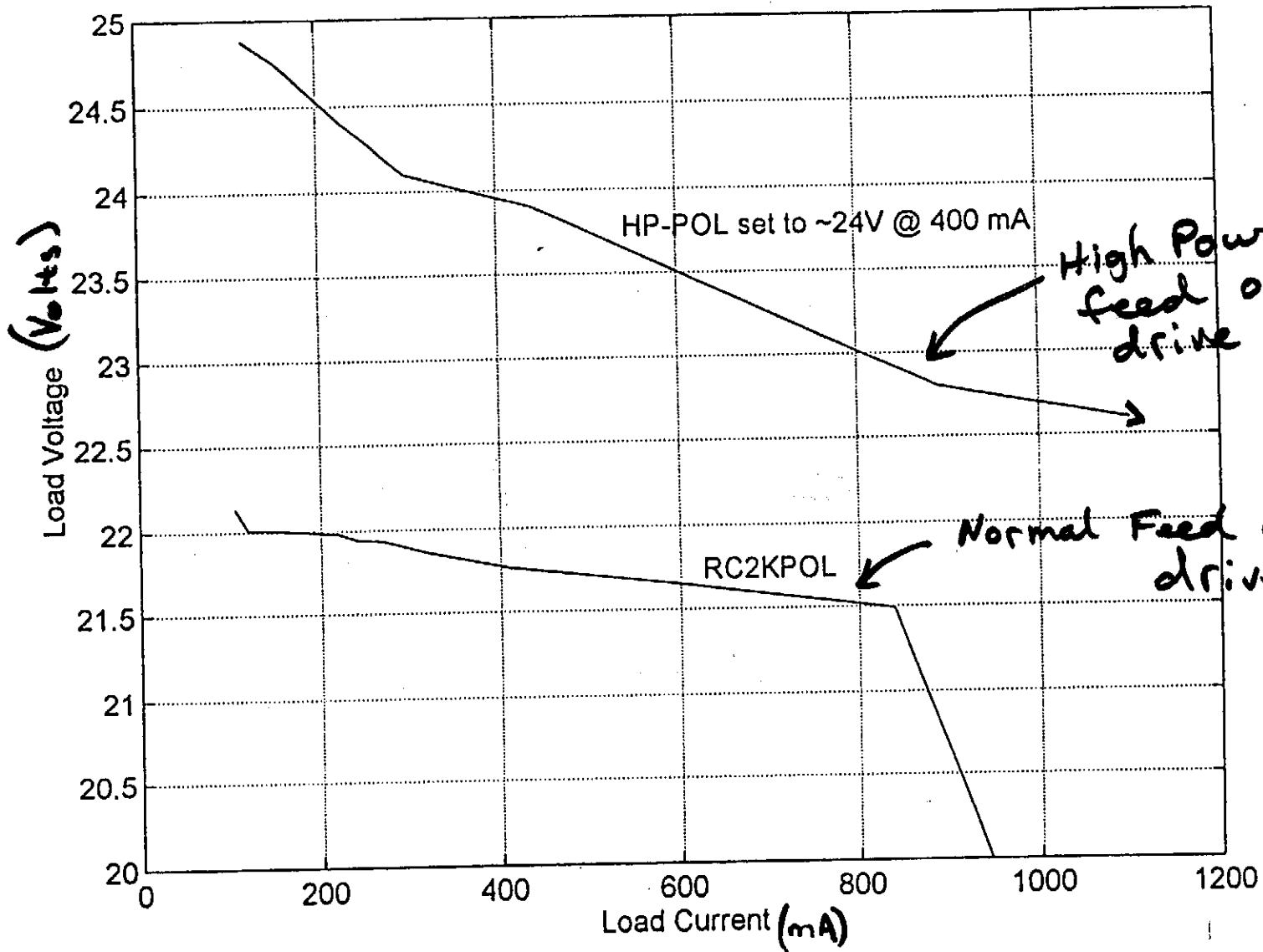


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Pol Drive Output Characteristics



High Power feed output drive

Normal Feed output drive.