

RC4600 Antenna Servo Controller

Sat-Lite Technologies Rack Mount Controller



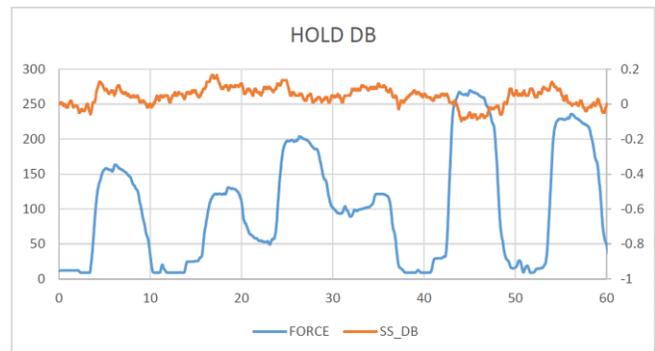
- **High Performance Rack Mount Antenna Controller for Sat-Lite Antennas**
- **High Resolution Position Sensors – 16 Bit or Higher depending on configuration required**
- **64 Hz Position Servo – PID Servo recalculates and corrects position error on two axes each cycle.**
- **GUI Ethernet Web Browser Interface with optional handheld remote**
- **Integrated L Band Beacon Receiver for tracking modulated beacons**
- **User Programmable DVB-S/S2 Receiver for Positive Satellite ID**
- **Two rack unit enclosure**
- **GPS / Compass for Auto Acquisition**
- **Inclined Orbit Tracking / Steptrack / Memory Track / TLE Tracking**
- **L Band Spectrum Analyzer Option**



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Input Power:	85 - 265 VAC, 1 Phase, 50/60 Hz, 1000 Watts Driving, 25 W in standby – Typical
Temperature:	Operational: -40° to +60° C Survival: -40° to +70° C
Outdoor Unit Sizes: units)	8.75" (222) x 12" (305) x 3.5" (89 mm) (for each unit – 2 units) IP 65 Sealed Enclosures
Weight	14 lbs (6.3 Kg) Typical.
Operation	Push Button – Auto Locate / Auto Stow / Track / Jog / Program – Via Ethernet
RF Input	L Band from LNB
Tracking	High Performance Beacon Receiver for Inclined Orbit Satellites
DVB Receiver Option	DVB S/S2, Based on Frequency, Polarization, Symbol Rate, FEC, Modulation.

The Sat-Lite Technologies Rack Mounted RC4600 Antenna Controller is a 2 Rack Unit enclosure that is supplied with GPS, Compass, and L-Band Beacon Receiver. It also includes step-tracking and TLE tracking software. This allows for closed-loop tracking, which increases the antenna operational wind speed performance. Options include Spectrum Analyzer, DVB receiver, Open AMIP, and Dual GPS. Graphs below show real time tracking performance on a beacon vs. varying wind load. The first graph shows performance without the aid of servo control. The second graph shows the performance on the beacon with the servo functioning and significant wind load applied. Contact Sat-Lite for more info.



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