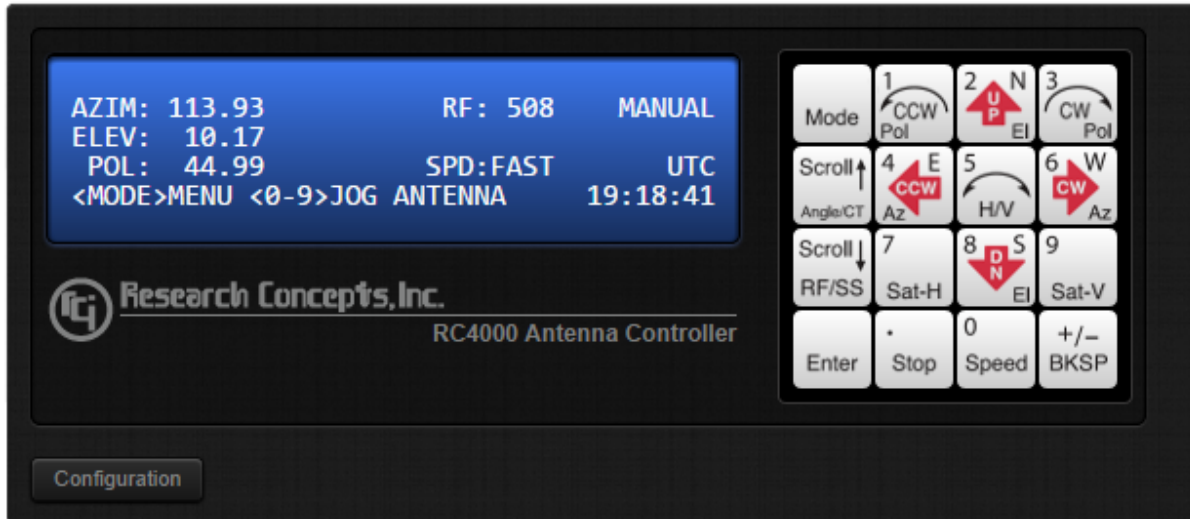




# RC4500

## Satellite Earth Station Antenna Control Unit



### FEATURES

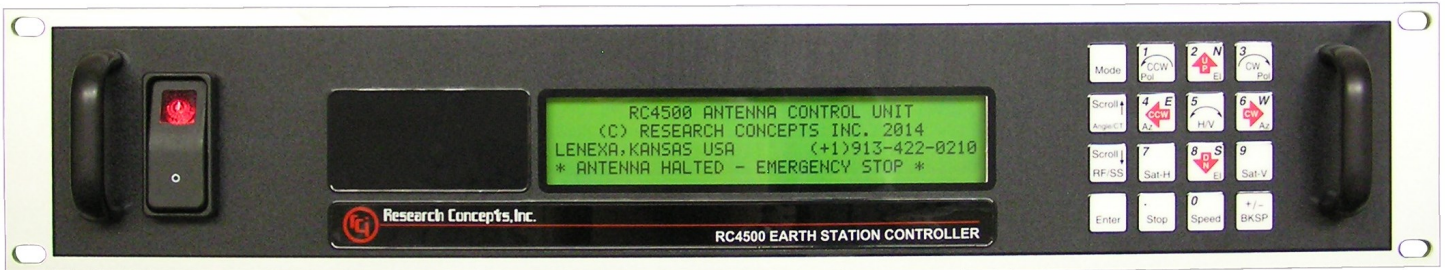
- **16-Bit Resolver Position Sensors**  
*0.005 deg resolution, 3.5' accuracy, optional 25-Bit EnDat Position Sensors 0.00001 deg resolution, +-20" accuracy, optional potentiometer for polarization position sense.*
- **Open-Collector Drive Cabinet Interface**  
*Simple and easy to maintain; Outdoor Cabinet Drives up to 10HP Motors.*
- **Direct DC Drive Option**  
*Interfaces direct to 24V DC motors, 10 amp max*
- **Non-volatile Memory**  
*Stores 100 satellites in non-volatile memory, 20 of which can be inclined orbit tracked*
- **Optional Inclined Orbit Step-Tracking**  
*Via step track / memory track tables; Support for NORAD TLE; NORAD Two Line Element tracking; EPT Enhanced Predictive Tracking*
- **Multi-Band Operation**  
*Supports C, Ku, L, Ka and X-band satellites*
- **Optional Ethernet Interface**  
*Support browser based Remote Front Panel & UDP encapsulation of serial M&C commands, and SNMP Monitoring*
- **Optional Optical Interface**  
*Support for Single-Mode Fiber Communication, Ethernet over Fiber.*
- **Optional DISA compliant Beacon Receiver**  
*A low threshold of 43dBHz, fast re-acquisition of less than 1s and high linearity, manufactured by Novella Satcoms Ltd. Supports modulated beacons*

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## SPECIFICATIONS



### Flexibility of the RC4000

The RC4500 architecture consists of stackable cards allowing for flexible and compact ACU packaging that may include:

#### 2U Rack Enclosure

Size: 19.0" x 3.5" x 8.5" (W x H x D)  
2U Rack Enclosure, 17" Deep  
Weight: 12 lbs  
Temperature: -15° to 50°C Operating  
Input Power: 85-265 VAC, 50/60 Hz,  
72 Watts  
Display: 4 x 40 Character LCD

#### Embedded Enclosure

Weatherproof enclosure that may be installed directly in an Antenna Interface Unit

Enclosure: NEMA4 Enclosure  
Temperature: -40° to +60°C Operating  
-40° to +85°C Storage  
Input Power: 24VDC, 72 Watts



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