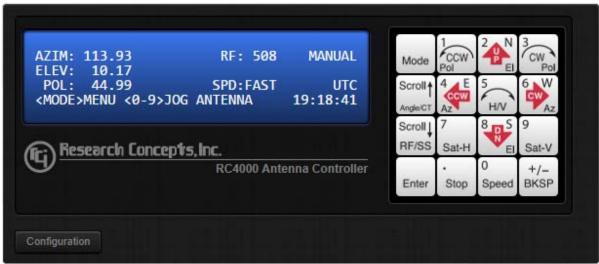


RC4500

Satellite Earth Station Antenna Control Unit



FEATURES

- ➤ 16-Bit Resolver Position Sensors 0.005 deg resolution, 3.5 minute accuracy Optional potentiometer for polarization position sense.
- Open-Collector Drive Cabinet Interface Simple and easy to maintain
- Direct DC Drive Option Interfaces direct to 24V DC motors, 10 amp max
- Non-volatile Memory Stores 20 to 100 satellites in non-volatile memory. 10 of which can be inclined orbit
- Optional Inclined Orbit Step-Tracking Via step track / memory track tables
- Optional Support for NORAD TLE NORAD Two Line Element tracking for inclined orbit satellites

- Multi-Band Operation Supports C, Ku, L, Ka and X-band satellites
- RS-422 or RS-232 Monitor & Control Interface Remote control from many popular PC software packages
- Optional Ethernet Interface
 Support browser based Remote Front Panel &
 UDP encapsulation of serial M&C commands
- Optional Optical Interface Support for Single-Mode Fiber Communication, requires the Ethernet Interface option
- 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 17" (W x H x D)

2U Rack Enclosure, 17" Deep

Weight: 12 lbs

Temperature: 0° 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

Size: 30" x 36" x 10" (W x H x D)

NEMA4 Enclosure

Weight: 125 lbs Typical

Temperature: -20° to +40°C Operating
Input Power: 208 VAC 3-phase, 50/60 Hz,

20 Amp Service typical



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