RC3000EMB

**Embedded
Satellite Locator/
Inclined Orbit Tracking
Controller for Mobile Antennas**

FEATURES and SPECIFICATIONS

♦ **Requires NO Rack Space**
Mounts on Antenna Pedestal

♦ **Eliminate Heavy and Expensive Cable**
Requires only two outside connections:AC Power and Comms.

♦ **Fully Autonomous Operation**
Two Button Interface, LOCATE and STOW Status indications for field troubleshooting

♦ **Serial Port/Ethernet Operation**
Can Operate with RS232, RS485, UDP, or Web Browser

♦ **Automatic Pointing Solution**
Calculates Polarization, Azimuth and Elevation angles from any Position and Heading and Attitude; all the features of the Industry Standard RC3000

♦ **Inclined-Orbit Tracking**
*Optional Step Track, Memory Track & Intelli-Search™ modes
Optional Ephemeris/Two Line Element Tracking*

♦ **Optional GPS Receiver & Electronic Compass**
Fast time to fix Navigation Receivers

♦ **Optional DVB/Beacon Receiver**
Allows Positive Satellite Identification

♦ **Multi-Band Operation**
Supports C, Ku, L, Ka and X-band Satellites

♦ **Adaptable to Many Mount types**
Easily Accommodates a Variety of Sensors and Geometries

♦ **Designed for Future Expansion**
DC Power, RF Pass-Thru, GPS derived heading, Resolver Position Feedback, Two Line Element Tracking, Custom Modem Interfacing

SPECIFICATIONS

Size: 15.75x11.81x3.25 (inches)
Weight: 12lbs
Temp: *-40 to 60 Deg C (fully covered w/ reflective shade)*
Power: *115/230 VAC, 50/60 Hz. 25W idle*
Output: *24 VDC, greater than 10A Max*
Interface:
  Position:
    - *Az/El Pulse*
    - *Az/Pol Potentiometer*
    - *El Inclinometer*
    - *Az/Pol sensor-derived Limits*
    - *Az/El/Pol Discrete Limits*
    - *Resolvers, Feed ID Bits*
  Control:
    - *Red/Green Button*
    - *Web Browser*
    - *UDP packets over IP*
    - *422/232 Serial*
  AGC:
    - *One Input, +/- 15VDC, 20M Ohms*
  Sensors:
    - *Internal GPS*
    - *Single Axis Compass*