



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

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/EI Pulse
- Az/Pol Potentiometer
- EI Inclinometer
- Az/Pol sensor-derived Limits
- Az/EI/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

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