



RC2500AIU-2

**36VDC Antenna Interface Unit
for use with the RC2500 ACU**



Enjoy the High resolution and accuracy of resolvers as position sensors on antennas equipped with 36VDC linear actuators. Allows the use of the RC2500 with inexpensive antenna systems.

Features

- ◆ **Local Jog Control** *Simultaneous, Three-axis drive allows antenna positioning directly at the antenna for maintenance.*
- ◆ **AZ/EL Drive Status at Pad** *LED indicators on jog panel reveal drive status.*
- ◆ **Fast Acting Emergency Stop** *Clearly Labeled, externally mounted Emergency Stop Switch has press to STOP, twist to reset operation.*
- ◆ **24" x 20" x 8" NEMA-4 Enclosure** *May be mounted directly to a Kingpost or on a Pad using commonly available hardware.*
- ◆ **36VDC (nominal) AZ/EL Output Voltage** *Single Speed operation*
- ◆ **10 Amp Maximum Continuous Current** *Azimuth and Elevation*
- ◆ **Solid-State Motor Drive** *Autonomous State-machine controlled for Fast and Quiet operation. Continuous Over-Current Monitor.*
- ◆ **24V Polarization Drive** *Current limited to prevent high-gear-ratio motors from self-destruction on locked rotor conditions.*
- ◆ **Dual Voltage Operation** *Can be internally set for either 115VAC or 230VAC operation.*

SPECIFICATIONS (preliminary)

SIZE/WEIGHT/POWER

Size: 26" x 22" x 10" (Overall Dim.)
Weight: 79.0 lbs.
Mounting: Four 3/8" bolts; 18.0" w x 21.25" h
Temperature: -20° - 50° C
Input Power: 115/230 VAC, 50/60 Hz.;
20 W typical, 850 W when moving

PHYSICAL INTERFACES

AZ Motor: 20 feet, 1/2" Liquid-Tite Conduit, Three 16AWG wires.
EL Motor: 20 feet, 1/2" L-T Conduit, Three 16AWG wires.
POL Motor: L-T cable fitting, 30' Integrated Motor/Sensor Cable.
RC2500 ACU: 1/2" L-T Conduit fitting; (no conduit supplied)
AC Input: 1/2" L-T Conduit fitting; (no conduit supplied)

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