



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.*
- ◆ **34VDC 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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