



RC2500AIU-3

Antenna Interface Unit for use
with the RC2500 ACU



Enjoy the High resolution and accuracy of resolvers as position sensors on antennas equipped with 3-phase AC Motors. Allows the use of the RC2500 with virtually any antenna system.

Features

- ◆ **Local Jog Control** *Simultaneous, Three-axis drive allows antenna positioning directly at the antenna for maintenance.*
- ◆ **Limit Status at Pad** *LED indicators indicate when a limit is reached.*
- ◆ **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.*
- ◆ **30" x 30" x 10" NEMA-4 Enclosure** *May be mounted directly to the Antenna Pad using commonly available hardware.*
- ◆ **3HP-rated Variable-Frequency Drives** *Azimuth and Elevation*
- ◆ **Solid-State Motor Drives** *Configurable motor dynamics, Continuous Over-Current Monitor.*
- ◆ **Single-Phase AC Polarization Drive** *Single Speed Polarization Control.*
- ◆ **Supports Electromechanical Brakes for AZ and EL axes.**
- ◆ **Flexible** *May be configured for a wide variety of Antenna Systems*

SPECIFICATIONS (preliminary)

SIZE/WEIGHT/POWER

Size: 48" x 30" x 10" (Overall Dim.)
Weight: 100.0 lbs.
Mounting: Four 3/8" holes for concrete anchors
Ambient Temperature: -20° - 40° C
Input Power: 208 VAC 3-phase, 50/60 Hz.
20-Amp Service;

PHYSICAL INTERFACES

AZ/EL/POL Motors 1/2" conduit or cable liquid-tite fittings.
AZ/EL/POL Limit Switches: 1/2" conduit or cable liquid-tite fittings.
AZ/EL/POL Resolvers: 1/2" conduit, or cable liquid-tite fittings.
RC2500 ACU: 1" L-T Conduit fitting; (no conduit supplied)
AC Input: 1" L-T Conduit fitting; (no conduit supplied)

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