

Antenna Control Unit Model.No: JC-SC-ACU41



ACU is a state-of-the-art technology product designed with state of art motion control techniques to provide simultaneous control of the tracking antenna in Az & El axes. It is a Type-II control unit which takes both rate & position feedbacks for calculating the Servo loop compensation values by using customized algorithms. The unit is programmable for Manual, Slew, Auto, Slave, File & GPS track through a menu driven from the front panel. This advanced tracking controller is built-in with scan code generator, secant correction, encoder logic etc. This unit is developed for critical tracking applications.

Applications

- High-performance Motion control
- Any type of motion control system

Features

- Digital type II closed loop control system
- Graphical displays, Error cross-hair window, Signal level bar displays and Programmable parameter display
- Safety software position limits for avoiding damage to the antenna pedestal
- Reliability and maintainability in critical applications
- Bar graph display for tracking errors
 - Bar graph display of SNR
 - Built-in Diagnosis test
 - Keypad and mouse
 - Computer with GUI for configuration, monitoring and control
- Communication UDP interface with remote computer





Technical Specifications

Digital type-II control system
Standby, Slew, Manual, Point, Search, Slave, File/Auto track
0.01°
Configurable soft limits
0.01°
0 or 24V DC
±10V DC to drive
TFT
TTL
RS422
RS232/USB/Ethernet
500 Hz/1 KHz (selectable)
0 to +10 Volts
0 to 9.9 selectable
0 to +10 Volts, AZ & EL
Thumb wheels and Joy-stick for Az position and velocity commands respectively
230V AC, 50 Hz, Single Phase
19-inch 6U Rack mountable
485 L X 485 D X 264 H in mm
< 20 Kgs
0° to +50°C
-10° to +60°C
90% RH Non-Condensing

