39107DT antenna Control system(AC Control System)

General Description:

Model 39107DT Antenna control Unit comprise the antenna control unit and antenna drive unit.It can be used with antenna for precision satellite tracking and telemetry control applications. The Antenna Control Unit is the primary control and monitor interface of the system, featuring a friendly windowing interface and menu-driven configuration.

Main Function:

- ◆Key Stroke Operation
- ◆One speed driver
- ◆Target Tracking
- ◆50 Satellite Positions Preset
- ◆Three Axis Control for Az and El .Polarization as a option.
- ◆Antenna Position Setting
- ◆Big screen display of alarm, antenna position and fault indication.
- ◆Remote Control Linked Via RS-232 communication ports on the rear panel of the ACU.
- ◆Software and hardware travel limit switches ensure the safety operation.

Modes of Operation

*Standby
*Manual
*Step tracking
*Move to look angel or satellite

Tracking Accuracy

Better than 10% receive 3dB beamwidth RMS in Step Tracking
Position display resolution：0.01°

Controls / Interfaces

Front panel Local control
Remote: RS-232
Receiver Interface: 0-10 VDC
ADU: Standard Drive Interface
Alarm: Summary output

Environmental

Temperature: 0 to 50° C
Humidity: 90% non-condensing

Electrical

ACU: 100-240 VAC,47-63 Hz 100 W typical
ADU: Motor Size: 1-5 HP standard
Larger sizes available

Mechanical

ACU:Height: 2 Rack Units
Width: 19”
Depth: 19”

ADU: Height: 2 Rack Units
Width: 19”
Depth: 19”

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