

# ANTENNA CONTROL SYSTEM

Model 39107C, 39107DT, 3906 Antenna Control System can be used with antenna for precision satellite tracking and telemetry control applications.

The Antenna Control System is the primary control and monitor interface of the system, featuring a friendly windowing interface and menu-driven configuration.



## Features

- ★ Key Stroke Operation
- ★ Target Tracking
- ★ 50 Satellite Positions Preset
- ★ Steptrack
- ★ Program Tracking and Inclined Orbit Tracking only for model 3906
- ★ Three Axis Control for Az, El and Polarization
- ★ Antenna Position Setting  
Wherever position antenna locates, antenna position can be set by operating panel or computer.
- ★ Multi-speed Inverter Option
- ★ 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.
- ★ Secure Operation  
Software and hardware travel limit switches ensure the safety operation.

## Technique Specifications

- ★ Display Resolution  
Model 39107DT/3906 0.01°  
Model 39107C 0.1°
- ★ Tracking Accuracy: better than 10% of receive 3dB beamwidth, RMS
- ★ The Number of Preset Satellite: 50
- ★ Encoding Resolution: 14bits (binary)
- ★ Display Range of Angle  
Az: 0° ~360°  
El: 0° ~180°  
Polarization: 0°~180°
- ★ Environmental  
Indoor Temperature 0°~+50°C  
Outdoor Temperature -30°~+60°C  
Humidity ≤90% (Temperature 20° C)
- ★ Operation Voltage:  
ACU: 120/ 220VAC, 50Hz  
PDU: 208/380/460VAC, 50Hz