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## Model ATX 3000

Intelligent Actuator solutions with integrated  
feedback & limit switches for DC antenna control systems

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*The ATX-3000 antenna tracking controller offers a versatile DC Ballscrew Actuator for reliable and accurate antenna positioning for DC systems.*

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### **FEATURES**

- “User Friendly” easy to install design
- Rugged steel tube construction
- 5 pitch ball screw
- 1500 lb. capacity
- Tube and gearbox easily taken apart for installation and service with simple tools
- Interchanges with virtually all other actuators in the field today
- Black E-coated outer tube and plated inner tube for superior corrosion protection
- Plastic Pilot guide prevents metal to metal contact between the tubes
- Forged steel end mount design with swivel and built in standoffs for ½” bolt mounting.
- Easy to install split clamp assembly for ½” bolt mounting
- Mounting bolt kit included
- Limit switches with single screw adjustment
- Water drains and vents throughout for freeze protection
- Ku or C band compatible
- 24 or 36 VDC permanent magnet motor
- 5 amps @1500 lbs @ 36 VDC
- Super Sensor for position feedback w/ integrated limit switches
- Multiple throw lengths available
- Multiple configurations available please contact your Satellite Systems Corporations representative.



Intelligent Ball-screw **DC** Actuators with integrated encoder and limit switches



## Antenna Drive Units for DC Motors

DC Motor jacks provided by SSC in 12 - 48 inch stroke lengths. Built in encoder feedback. 24 / 36 VDC motor/ integrated limit switches. (DC systems jacks are quoted separately)

## DC System Standard Dimensions

**ACU:** 1 RU, 19" x 15.5" x 1.75"

**ADU:** 1 RU, 19" x 15.5" x 1.75" (Enclosure solution also available, please contact factory.)

## Options

Motors, Gear reducers, Jack screws, Limit switches, Emergency stop switches, umbilical control.

## Part Numbering information

1. *Please choose your acu configuration from the following table:* Example – ACU3000 – D – C3-E0

ACU3000

| AC or DC system | Feed Back   | Pol OPTION                                      |
|-----------------|-------------|---|
| AC system A     | Resolver C2 | No Pol E0                                       |
| OR              | OR          | OR  |
| DC system D     | Encoder C3  | Pol Motor Only E1                               |
|                 |             | OR  |
|                 |             | Resolver Feedback E2                            |
|                 |             | OR  |
|                 |             | Encoder Feedback E3                             |
|                 |             | OR  |
|                 |             | POT Feedback E4                                 |
|                 |             | Pot can be used with encoder or resolver sensor |

DC ADU3000

2. *Please choose your DC adu configuration from the following table:* Example – ADU3000 – F24-Q36-F24-Q36-HO

| AZ Voltage   | AZ Jack Length  | EL Voltage   | EI Jack Length  | Pol options   |
|--------------|-----------------|--------------|-----------------|---------------|
| 12 Volts D12 | 12 " stroke L12 | 12 Volts D12 | 12 " stroke L12 | No Pol MTR HO |
| OR           | OR              | OR           | OR              | OR            |
| 24 Volts F24 | 24" stroke N24  | 24 Volts F24 | 24" stroke N24  | 24VDC H1      |
| OR           | OR              | OR           | OR              |               |
| 36 Volts H36 | 36 " stroke Q36 | 36 Volts H36 | 36" stroke Q36  |               |

\*\*Other voltage and stroke lengths available.

Please see <http://www.satsyscorp.com> for more information.