

## **ARP-100-285 GENERAL SPECIFICATIONS**

The ARP-100-285 consists of the Azimuth Positioning Unit (APU), Position Control Device (ACU-3D-12) and cables required for power and control of the positioner.

The load capacity of the system is 120 lbs with a 20g vertical shock rating applied to the output hub.

The positioner is suitable for mounting on any type of mast or a horizontal mounting surface and provides either continuous rotation or up to  $\pm 200^\circ$  can be programmed in via the control software and adjustable limit switches. It is designed for reliable operation in outdoor, military environments.

The control unit can be remotely located to facilitate integration with the end user's system. It can be controlled locally using front panel controls or remotely via serial Interface (RS-232, RS-422 or RS-485) using simple, well defined commands. The control unit is suitable for mounting in an equipment rack or on a table.

### RANGE of MOTION

Azimuth: Continuous or Programmable  $\pm 200^\circ$

### POSITIONING ACCURACY

Azimuth:  $\pm 0.1^\circ$

### CONTINUOUS TORQUE

Azimuth: 2500 in lbs (200 ft lbs)

### VELOCITY:

Azimuth: 1 - 40 deg/sec

### ACCELERATION:

Azimuth: 4 - 50 deg/sec<sup>2</sup>

### POWER INPUT:

Controller 120/220, 50/60Hz

### WEIGHT:

Positioner: 40 lbs (61kg)

Controller: 25 lbs. (16kg)

### POSITIONER:

Operational

Temperature:  $21^\circ$ - $131^\circ$ F  
( $-6^\circ$  to  $55^\circ$ C)

Relative Humidity: 0 to 100%



**ARP-100-285**



**ACU-3D-12**