

Mini RAS Light Duty Azimuth Elevation Rotator

Complexity is reduced to a minimum by utilizing a simple double worm gear drive

* 13.8 to 18 volts DC.

* Position readout is sensed by a reed switch.



Low Voltage - DC motor, Worm Drive, high torque.

Uses inexpensive 4 conductor low voltage cable. (8 wires total for AZ/EL)

Able to work long runs > 600 m (~2000 ft)

Works with standard ROT2 Prog controller or MD-01/02

Remote relay operation possible. Sealed reed switch sensor technology for reliable all weather readout. (no potentiometers to fail)

Rated for light loads even when mounted outside the tower. Designed for simple mounting to ~

Adapters available to mate with common rotator bolt patterns.



Rot2Prog Controller

Manual, Automatic, Scanning and Programmable modes.

Digital readout with 1 degree resolution.

Large easy to read soft green LED display.

Computer USB interface ability included.

Low voltage operation from any 13.8 to 18 volt source (typically 2-5 amps).

Easy to interface computer control, open protocol.

Ideal for VHF/UHF, EME, Roving, Portable, Disaster and Field Day operations.

AZ can be zeroed at any position to allow for installation inaccuracy or antenna mount slippage.

Generous over travel (+/-180) with electronic limits. Total of 720 Degree.

Small front panel to simplify stacking several units takes up less valuable space.

Mouse control
Works with most Logging programs.

Normal 360

- 180

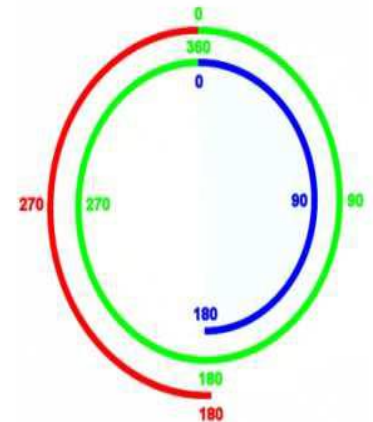
or

+540 from

North 0

for

total of 720



Mini RAS Specifications

Torque Voltage dependent
13.8 volts ~186 N m 1650 lb in.
Rotation speed ~60 sec for 360
Degree @ 18 volts
Rotation speed ~46 sec for 360
Degree at 24 volts
Braking Torque ~904 N m (8000 in
lb)

1 degree positioning resolution-
Tight tolerances for minimal play
Double worm drive
Quiet & powerful self brake action
Heavy duty bearings
Pipe to pipe mount
Overall height ~255 mm (10 in)
Horizontal pipe opening ~42 mm
(1.5 in)
Bottom pipe opening ~42 mm (1.5 in)
Centre to widest point is ~145 mm
(5.75 in)
Real steel housing & final gear
drive

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Mini RAS
Azimuth Elevation
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