LinkAlign-C360VPR-30-FO4

AUTO ACQUISITION ANTENNA POSITIONER WITH OPTIONAL ENCODERS

The LinkAlign-C360VPR-30-FO4 is an antenna positioner designed from the ground up to automatically point and peak directional antennas for for microwave and millimeter wave line of sight or satellite communications. The LinkAlign-C360VPR-30-FO4 is intended for applications where continuous azimuth rotation is needed.

The built in GPS and digital compass with full featured web based user interface provides rapid and accurate antenna pointing. The user interface includes a stored locations database that allows easy recall of known target locations followed by a final auto peak using radio signal strength.

The LinkAlign-C360VPR-30-FO4 is typically paired with up to 2-3ft antennas, payloads up to 100 lbs (45.4 kg) with continuous azimuth travel and +/-145° of elevation range. This model contains a four channel fiber optic rotary joint (9/125µm single mode LC) along with (17) 2 amp pass thru lines & (4) 10 amp pass thru lines. Optional GPS heading unit, pole mount adapter, tripods/quadpods, and antenna adapter brackets are available upon request. Download the Interface Control Drawing (ICDN901062) for more details.

TECHNICAL SPECIFICATIONS - LinkAlign-C360VPR-30-FO4	
Power	
Power Over Ethernet (PoE)	50-57Vdc, 4 Pair PoE, PoH (Indoor Rated 54Vdc Supply Included)
Standby / Maximum Power Draw	<16W / 95W
Optional DC Input	20-60V
External Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	Continuous
Elevation	145° (+50°/-95°)
Positioner Drive Rate	
Azimuth	Variable, up to 2.6°/sec max load
Elevation	Variable, up to .7°/sec max load
Temperature	
Operational [1]	-4° to 140°F (-20° to 60°C) or -40 to 140°F (-40 to 60°C) with Extended Temperature Option
Non-Operational	-40° to 158°F (-40° to 70°C)
Feedback Resolution	0.1° standard or 0.01° with Encoder Options
Backlash (Az/El)	less than 0.15°
Torque	
Operational (El) [2]	135 ft-lbs (183 Nm)
Survival (Az&El)	200 ft-lbs (271 Nm)
Payload	100 lbs (45.4 kg)
Dimensions	Height: 25.90" (65.8 cm), Width: 14.86" (37.7 cm), Depth: 7.36" (18.9 cm)
Weight	62.5 lbs (28.3 kg)
Mounting Interface	See ICD for details (Uses Nextmove 4.750-P Interface)
Antenna Mount Options	See ICD for details
Communication Interface	
User Interfaces	Web based hosted internal to unit or Nextmove proprietary command protocol
Ethernet Pass Thru	100 Mbps @ 100 MHz (Cat5)
Fiber Optic Pass Thrus	(4) 9/125µm Single Mode with LC Connectors, 40" (100cm)
Optional Signal Pass Thru	(2) 10 Pin Turck, 22 AWG, 40" (102 cm) wire (220 Vac/24Vdc, 2A)
Optional Pass Thru	(1) 4 Pin PT Series, 17 AWG, 40" (102 cm) wire (220 Vac/24Vdc, 10A)
Optional Serial	RS-232
Optional Extended I/O	Up to 8 configurable digital inputs and 8 configurable digital outputs
Other	SNMP radio Interfaces for Acquistion and Peaking

[1] Minimum temperature specified at no load

[2] Maximum operating torque may be reduced at temperatures below -14°C and/or with use of peripheral devices

Specifications subject to change without notice

Nextmove Technologies, LLC • 1 Kerk Street • Hollis, NH 03049 • 603-654-1280 • info@nextmovetech.com • www.nextmovetech.com