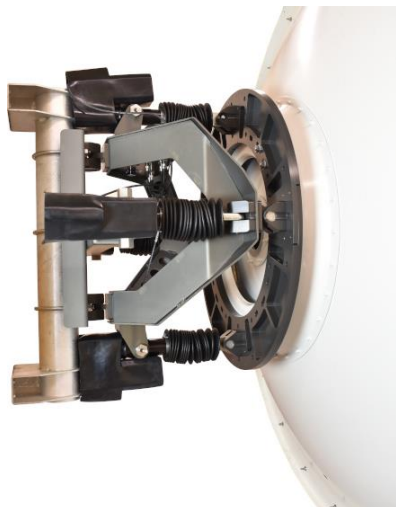n1 nextmove
TECHNOLOGIES, LLC

LinkAlign-15LPT-40

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT

The LinkAlign-15LPT-40 is an antenna positioner designed from the ground up to automatically maintain microwave line of sight communication links for 4-6 ft antennas. Narrow beam antennas often require realignment due to seasonal fading of misalignment caused by wind loading.

The full featured web based user interface provides rapid and accurate antenna realignment. The user interface includes remote signal strength monitoring and auto peaking tools that can automatically trigger antenna realignment based on radio signal strength.

The LinkAlign-15LPT-40 is typically paired with 4-6 ft antennas, payloads up to 300 lbs (136 kg), and offers +/-15° of azimuth and elevation range. Download the Interface Control Drawing (ICDN900212) for more details.

TECHNICAL SPECIFICATIONS - LinkAlign-15LPT-40	
Power	
Power Over Ethernet (PoE)	50-57Vdc, 4 Pair PoE, PoH (Indoor Rated 54Vdc Supply Included)
Standby / Maximum Power Draw	<16 W / 95W
External Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	15° (+/-7.5°)
Elevation	15° (+/-7.5°)
Positioner Drive Rate (Az/El)	0.07°/sec no load
Temperature	
Operational	-4 to 140°F (-20 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Az / El Repeatability	+/-0.05°
Torque	
Operational (El)	500 ft-lbs (678 Nm) *requires tie-back struts (See ICD for further details)
Survival (Az/El)	1000 ft-lbs (1356 Nm) *requires tie-back struts (See ICD for further details)
Payload	300 lbs (136 kg)
Dimensions	Height: 37.2" (94.4 cm), Width: 37.2" (94.4 cm), Depth: 22.5" (57.2 cm)
Weight	140 lbs (64 kg)
Mounting Interface	Clamps standard to a 4.5" dia mast (11.4 cm)
Antenna Mount Options	Any commercial antenna between 4 and 6 feet in diameter
Communication Interface	
User Interfaces	Web based hosted internal to unit or Nextmove proprietary command protocol
Ethernet	10/100 Ethernet
Optional Serial	RS-232

Specifications subject to change without notice

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