## NOTES: UNLESS OTHERWISE SPECIFIED

8

F

D

С

1. QPAR LINKAUGN-360FERP-20 CONFIGURABLE OPTIONS PER TABLE I. PART NUMBER QLA-360FERP-20-100 SHOWN THROUGHOUT THIS DRAWING. POE CABLE SHOWN NOT TO SCALE

2. USE INTERFACE CONTROL DRAWING IN CONJUNCTION WITH DATASHEET N500127

3. 48 - 56VDC POWER SUPPLY INCLUDED WITH POSITIONER. NOT SHOWN IN DRAWING

4. HARD COAT ANODIZE ALUMINUM CONSTRUCTION WITH STAINLESS STEEL HARDWARE

7

6

0

0

 $\mathbb{C}$ 

5

5. 400° (+/-200°) AZIMUTH TRAVEL WITH 2.2°/SEC DRIVE RATE (NO LOAD)

6. 140° (+120°/-20°) ELEVATION TRAVEL WITH 2.2°/SEC DRIVE RATE (NO LOAD)

7. 400° (+/-200°) POLARIZATION TRAVEL WITH 6°/SEC DRIVE RATE (NO LOAD)

 -22° TO 140°F (-30° TO 60°C) OPERATIONAL TEMPERATURE RANGE. -40 TO 158°F (-40 TO 70°C) NON-OPERATIONAL TEMPERATURE RANGE

9. 0.1° FEEDBACK RESOLUTION IN ALL AXES

- 10. AZIMUTH BACKLASH LESS THAN .15°. ELEVATION BACKLASH LESS THAN .15°. POLARIZATION BACKLASH LESS THAN 2°
- 111 13.83" (35.1 cm) HIGH X 8.24" (20.9 cm) WIDE X 12.88" (32.7 cm) DEEP. DIMENSIONS APPLY WHEN POSITIONER IS AT 0° AZIMUTH AND 0° ELEVATION ANGLES

12. WEIGHT APPROXIMATELY 28.0 LBS (12.7 kg) NOT INCLUDING POE CABLE

13 PAYLOAD SHALL NOT EXCEED 65 LBS OR 60 FT-LBS OF TORQUE ABOUT THE ELEVATION AXIS. TO CALCULATE TORQUE, TAKE THE DISTANCE FROM THE PAYLOAD CENTER OF GRAVITY TO DATUM -H- IN FEET AND MULTIPLY BY THE PAYLOAD WEIGHT. SEVERAL ANTENNA BRACKET OPTIONS AVAILABLE THAT INTERFACE DIRECTLY WITH FEATURES SHOWN. GO TO www.cgparusa.com TO LEARN MORE

14 RADIO OR AUXILIARY MOUNTING HOLES. 30 LBS MAX.

- CENTER OF GRAVITY 0.1" (0.25 cm) IN THE X-DIRECTION, 7.1" (18.0 cm) IN THE Y-DIRECTION AND 0.1" (0.25 cm) IN THE Z-DIRECTION. X & Z MEASURED FROM THE CENTER OF THE 2.00" DIAMETER MOUNTING POLE
- 16 FOR PERMANENT INSTALLATIONS, IT IS RECOMMENDED THAT THE (2) INDICATED 5/16-18 THREADED KNOBS BE REPLACED WITH (2) 5/16-18 X 1.000" LONG STAINLESS STEEL HEX HEAD FASTENERS, HARDWARE PROVIDED WITH UNIT. TORQUE TO 132 IN-LBS
- 17 POSITIONER IS AT AZIMUTH PEDESTAL 0° WHEN INDICATED FASTENER IS AT POSITION SHOWN WITH CLAMPING KNOBS IN THE BACK AS SHOWN
- 18 POSITIONER CLAMPS TO STANDARD 2" OUTSIDE DIAMETER MAST (NOT INCLUDED). OPTIONAL MIDMOUNT KIT AVAILABLE TO ADAPT TO MAST DIAMETERS UP TO 6". GO TO www.qparusa.com TO LEARN MORE
- 19 5/16" QUICK RELEASE PIN TO SECURE POSITIONER TO MAST AND PREVENT ROTATION
- 20. POLARIZATION PAYLOAD SHALL NOT EXCEED 5 FT-LBS OF TORQUE ABOUT THE POLARIZATION AXIS, TO CALCULATE TORQUE, TAKE THE DISTANCE FROM THE PAYLOAD CENTER OF GRAVITY TO DATUM -B- IN FEET AND MULTIPLY BY THE PAYLOAD WEIGHT

BUILDING A PART NUMBER		STANDARD OPTIONS
LA-360FERP	- <u>20</u>	100 < <example SHIELDED ETHERNET CABLE STANDARD LENGTHS</example 
		050 = 50 ft
		100 = 100 ft
		150 = 150 ft
		200 = 200 ft
		250 = 250 ft
		300 = 300 ft
		XXX = Custom length in teet XXXC = Add "C" to end of cable length for unterminated mating connector
		CUSTOM CONFIGURATION
		= Standard options - leave blank
		MOTOR DRIVES AND PAYLOAD
		20 = Az 60 ft-lbs @ 2.2°/s, El 60 ft-lbs @ 2.2°/s, Pol 5 ft-lbs @ 6°/s,
		65 lb payload. Typically paired with 2-3 ft antenna
		MODEL
		LA-360FERP = LinkAlign-360FERP (+/-200° azimuth, +120/-20° elevation, +/-200° polarization

7





