

LOS Antenna Positioner

Model No JC-SC-PED41



Land



Air



Marine

This Antenna Positioner is used for establishing LOS link between two communication terminals. The Antenna Positioner is fixed on top of a 18m/ 22m telescopic mast. The Positioner is required to move an antenna (Max payload 15 kgs) in azimuth and elevation axes, so as to orient towards another Line-of-Sight antenna, positioned at a different location. An Indoor Unit (IDU), loaded with a controller software program, effects the movement of the antenna positioner. The positional data of the two sites would be the input to the IDU.

Applications

- Generic Antenna Control System

Features

- 32- Bit ARM controller Design can be tailored for other applications
- Can optionally be interfaced with a Magnetic Compass and GPS



Technical Specifications

Functional	
Outdoor Unit (Pedestal)	
Control Movement	Azimuth and Elevation
Maximum Scanning Velocity	15°/ second
Minimum Scanning Velocity	0.1°/ second
Nominal Scanning Velocity	7°/ second
Azimuth Movement Range	±180°
Elevation Movement Range	±15°
Total Rotating Mass	15 Kg
Input Voltage	24 VDC (Powered from Indoor Unit)
IDU Interface	RS-422
Indoor Unit (Control Unit)	
User Interface	
a) Display	2X20 LCD
b) Keypad	3X8 Keypad
Operating Modes	Homing, Manual, Position & LOS
Remote Interface	Ethernet (SNMP)
Input Supply	230V ±15V AC, 50 Hz
Mechanical	
Outdoor Unit	
Dimensions	Φ230 X 420 mm
Weight in Kg	<13kg
Indoor Unit	
Dimensions	1U-19-inch rack mount
Weight in Kg	<5 kg
Environmental	
Temperature	
Operating Temperature	
Outdoor Unit	-20° C to +50° C
Indoor Unit	0° C to +40° C
Storage Temperature	
Outdoor Unit	-20° C to +60° C
Indoor Unit	-20° C to +60° C
Environmental Compliance	JSS-55555
EMI/EMC Compliance	MIL-STD-461E

