



ANTENNA EXPERTS

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Model # LP-380-512 380 – 512 MHz. 10 dBi. Gain

TETRA BAND LOG PERIODIC ANTENNA – INSTALLATION MANUAL

NOTICE:

Installation, maintenance or dismantling of the antenna system requires qualified and experienced personnel. Antenna Experts antenna Installation instructions have been prepared and are meant for skilled personnel only.

Antenna Experts disclaims any liability or responsibility as a result of improper or unsafe installation practices.

MATERIALS:

Following materials are used for the fabrication of Antennas and its accessories.

Dual Square Boom:	Powder Coated 6063T6 Aluminum.
Radiating Elements:	Powder Coated 6063T6 Aluminum.
Mounting Plate:	Powder Coated 6063T6 Aluminum.
Mounting Hardware:	All Stainless Steel.
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Insulators:	TEFLON.
Separators:	NYLON

PACKING LIST:

<u>SL. No.</u>	<u>Item/Description</u>	<u>Quantity</u>
1.	Log Periodic Antenna complete in assembled condition	1 Each.
2.	Mounting bolts “U” type.	2 Nos.
3.	Installation Instruction.	1 Each.
4.	Test Report.	1 Each.

INSTALLATION INSTRUCTIONS:

1. Unpack the Log Periodic Dipole Antenna from the packing box.
2. Two “U” type mounting bolts are fitted at the back end of the dual boom, to mount the antenna either vertical or horizontal polarization.
3. The plane of polarization can be changed by rotating the mounting clamps through 90 Degrees.
4. Install the antenna on 38mm to 52mm (1.5 Inches to 2 Inches) O.D. round pipe by using two “U” type bolts of mounting clamp supplied with the antenna.
5. Connect the N-Female antenna termination to the N-Male connector of feeder cable.
6. Seal the connector against moisture ingress with a sealing tape.
7. Make sure that the frequency of the Transmitter / Receiver should be within the frequency band marked on the antenna. **Do not operate the antenna other than the specified frequency band of the antenna.**
8. Take VSWR reading by using through-line RF Power meter. The VSWR should never exceed 1:2. Keep the record of VSWR measurements for future reference.
9. Qualified, skilled personnel to verify proper installation and maintenance should inspect the antenna system once a year.