ANTENNA EXPERTS

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Model AWD-50-500 50 – 500 MHz. Unity Gain

INSTALLATION MANUAL – WIDE BAND DISCONE ANTENNA

NOTICE:

Installation, maintenance or dismounting 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.

Radiating Elements Materials:	6063T6 Aluminum
Cone Elements:	6063T6 Aluminum
Disc Elements:	6063T6 Aluminum
Mounting Pipe:	6063T6 Aluminum
Disc and Cone Hub:	Brass
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Insulator:	Teflon.

PACKING LIST:

Sl. No.	DESCRIPTION	QUANTITY
1.	Ground Plane Body (Cone Hub) complete with Disc Hub.	1 Each.
2.	Cone Elements (Longer).	1 Set.
3.	Disc Elements (Smaller).	1 Set.
4.	Mounting Pipe.	1 Each.
5.	Mounting clamps complete with all accessories.	2 Nos.
6.	Installation Instruction.	1 Each.
7.	Test Report.	1 Each.

INSTALLATION INSTRUCTIONS:

1. The discone antenna when packed comes with Cone and Disc elements removed from the antenna body for ease of packing and shipment.
2. Unpack the discone Antenna and it's accessories from the packing box.
3. Connect the full set of Cone (longer) elements to the Ground Plane Body (Cone Hub).
4. Now connect the full set of Disc (smaller) elements to the Disc Hub.
5. Insert the mounting pipe into the coaxial cable, taking care that the threaded portion of the mounting pipe should face up-word.
6. Connect the N-Male connector of the coaxial cable to the N-Female termination of discone antenna.
7. Assemble the mounting pipe to the Ground Plane Body (Cone Hub), by using external threads on the cone hub and internal threads on the mounting pipe.
8. Install the discone antenna on the top of the mast by using the two supplied mounting clamps and tighten all nuts and bolts.
9. Secure the flexible coaxial cable with cable ties.
10. Take VSWR reading by using through-line RF Power meter.
11. Keep the record of VSWR measurements for future reference.
12. Tighten all nuts and bolts.