



# ANTENNA EXPERTS

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Model AWD-100-500      100 – 500 MHz.      2.15dBi Gain

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## 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:	Aluminum Alloy
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body.
Insulator:	Teflon.

### PACKING LIST:

<u>Sl. No.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.	Ground Plane Body (Cone Hub) complete with Disc Hub and mounting pipe.	1 Each.
2.	Cone Elements (Longer).	8 Nos.
3.	Disc Elements (Smaller).	12 Nos.
4.	Mounting clamps complete with all accessories.	2 Nos.
5.	Installation Instruction.	1 Each.
6.	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 8 number of Cone (longer) elements to the Ground Plane Body (Cone Hub).
4. Now connect the 12 number of Disc (smaller) elements to the Disc Hub.
5. Install the discone antenna on the top of the mast by using the two supplied mounting clamps and tighten all nuts and bolts.
6. Connect the N-Male connector of feeder cable to the N-female termination of the antenna which is provided at the bottom of mounting pipe.
7. Secure the flexible coaxial cable with cable ties.
8. Take VSWR reading by using through-line RF Power meter.
9. Keep the record of VSWR measurements for future reference.
10. Tighten all nuts and bolts.