Other Benelec High Frequency Antennas

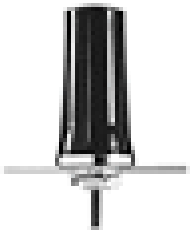
Omni Directional Antenna for 1.8 GHz to 2.4 GHz

8dBi Swivel Patch Antenna for 2.4GHz

Button Patch Antenna for 2.4GHz to 5.8GHz

Magnetic Mount Antenna for 1.7GHz to 2.4GHz

5dBi Body Mount Antenna for 2.4GHz



2.5dBi Body Mount Antenna for 2.4GHz

Portable Device Antenna for 1.7GHz to 5.8GHz

Omni Directional Antenna for 3.5GHz to 5.8GHz

Warranty

Benelec, (Seller) warrants to buyer that the products for a period of two years from the date of shipment will be free from defects of material and workmanship, and will be in accordance with specifications referred to herein. Seller's sole obligation under these warranties will be limited to either, at Seller's option and expense, repairing, or furnishing a replacement F.O.B. first point of shipment for the products or part thereof which Seller reasonably determines do not conform with these warranties, and Buyer's exclusive remedy of breach of any of such warranties will be enforcement of such obligations of Seller. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR PURPOSE AND OF ANY OTHER TYPE, WHETHER EXPRESSED OR IMPLIED. IN NO EVENT SHALL SELLER BE LIABLE FOR SEQUENTIAL DAMAGES, nor shall Seller's liability on any claims for damages arising out of or connected with the sales contract or the manufacture, sale, delivery or use of the products exceed the purchase price of the products. Any action for breach of warranty must be commenced within two years after the cause of action accrues.

BENELEC

Professional Wireless Products

Omni-Directional Series Site Antennas Installation Instructions

Models Include: 029401 & 029402

Note: This manual may cover more than one antenna. Please use the instructions that pertain to the type that you are installing. Some instructions apply to all types. Models vary in appearance

Thank you for choosing Benelec as your choice of communication antennas. The following instructions will guide you to the best possible performance of your antenna of choice.

Choosing a Mounting Location

The ODN Series antenna is designed to give an omni-directional pattern. In order to achieve this, the antenna should be mounted clear of any obstructions to the sides of the radiating element. If the mounting location is on the side of a building or tower, directivity is expected.

Mounting The Antenna

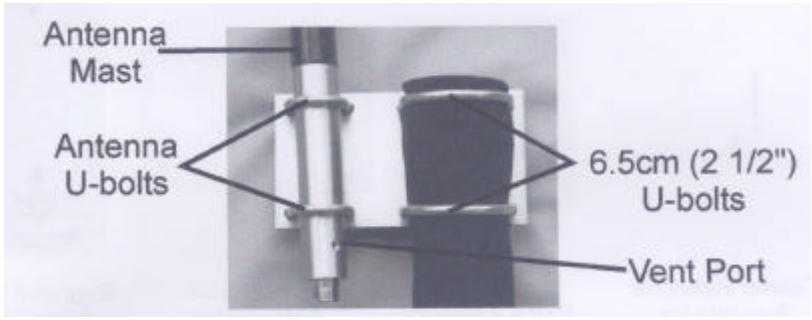
The ODN Series antenna is provided with a mounting kit. This kit allows you to mount the antenna to masts up to 5 cm in diameter.

The ODN Series antenna is vertically polarized. Since the antenna has vertical gain, it is very important to mount in a vertical (not leaning) position for optimal performance.

To mount the kits to the antenna (See Figure) insert both the smaller U-bolts through holes in mounting plate. The smaller U Bolt will use one of the circular and one of the elongated holes. The larger U-Bolts, used to mount to the mast, use the circular holes only. Each U-Bolt is equipped with a pair of the following: washers, primary nut and lock nut. To make installation easier, place these on the U-Bolt in the same order as described above. Next, slid the base of the antenna (aluminium feed) through the U-Bolts and tighten down.

To mount the mounting plate with the antenna attached to desired mast (See Figure) insert both 6.5cm U-Bolts through holes in the mounting plate. Each U-Bolt is equipped with a pair of the following: washers, primary nut and lock nut. Place the mounting plate in the desired location on the mast; attach the washers, primary nuts and lock nuts in the desired location on the mast, attach the washers, primary nuts and lock nuts in the same manner as described above and tighten.

*Note: The ODN Series are **NOT** DC grounded antennas. It is recommended that you install lightning protection devices into your system.*



Actual unit may slightly vary in appearance

Suggested Cable Requirements

It is recommended to use a high quality low loss cable.

Note: The higher the frequency, the higher the loss through the cable. Also, the longer the run, the higher the loss.

The ODN Series antenna terminates with a type N female connector. The mating connector to the antenna is a type N male connector. The connector on the opposite end will vary according to the type of equipment used. Some models have special options for connectors yours may vary.

After the cable is attached to the antenna, it is recommended to make sure that the connections are sealed to prevent moisture and other weathering elements from affecting the performance of the antenna. Please make note that the vent ports on the bottom side of the antenna near the connector should not be covered, as this allows the antenna to properly vent, should there be any internal condensation.

The final step is, attach the required connector to mate with equipment to be used at the opposite end of the cable. Once this is complete, make the connection and your ODN Series antenna is ready for use.