

# REVCO

# WHEN QUALITY COUNTS

### REVCO NE

The UK's favourite discone composed of traditional British quality engineering.

The REVCO NE works well without exaggerated advertising claims. It is designed to cover 50 to 500 MHz, and thousands of satisfied users will testify to its efficiency. Unlike some manufacturers we do not claim a wider frequency coverage, and we do not quote inflated figures for gain. A gain figure is meaningless unless the reference point is stated.

Optional vertical whip feature: It is possible to fit a vertical whip section to a discone. We do not want to give you the "hard sell" where this vertical element is concerned, but there is some evidence that it may improve the performance of the antenna around the resonant frequency of the whip. That's why we make it an optional feature.

Another option is the N type connector instead of the popular SO238 N-type gives a better UHF performance, but they cost a bit more. The choice is yours.

Because the REVCO NE is British-made by a Company which has been in business for 30 years, you buy with confidence, knowing that there is back-up should anything go wrong.



### RADAC

This wide band antenna offers an interesting alternative to the discone. It is simply an array of dipoles, but the clever bit involves arranging the dipoles to maximise bandwidth and minimise interaction. The RADAC can be set up for a range of frequencies from 2.7MHz to 500 MHz, and because very good impedance matches can be obtained the user can specify any six frequency bands in this range for optimised performance, either for receiving, or more usefully, for transmitting. For example, all the Amateur Bands from 10M to 70CM can be covered in one antenna. If you are in the PWR business, the RADAC can be customised for your needs. Aircraft listening enthusiasts can specify VHF & UHF Airband coverage.

Give a versatile antenna Design and engineering excellence from REVCO.



### WIDE-BAND PRE-AMPLIFIERS

The problem with omnidirectional wide band antennas is their lack of gain. The REVCO PA3 range of wide band pre amplifiers complement the antennas and compensate for their inherent coming.

The basic specification of the products is similar: coverage 20MHz IGHZ, at 1GHz, minimum gain 13dB, noise factor 5.5dB. Choice from a mast head version (PA3I) or a standard in-cast box type (PA3B). Best results are normally obtained from the masthead model which gives a boost to weak signals which would otherwise have been lost in the feeder cable. Also feeder cable noise is not amplified which is the case if the amplifier is mounted at the base of the feeder. On the other hand, the die cast box version requires no special installation and is readily built in or out of the masthead model is supplied with a special power unit which feeds the DC supply into the antenna feeder. No PSU is provided for the PA3I as any 9.15V DC source is suitable (current requirement about 25mA).



The standard version of the PA3I has BNC sockets and is designated 'PA3IB', available to special order. N type sockets (PA3IN or SO238) (PA3IS).

A special feature of the PA3I series is a high pass filter to attenuate frequencies below 20MHz; high power HF & MF broadcast stations can be very troublesome!

### ON-GLASS ANTENNAS

This type of antenna mount has been around for a long time, but they always offer a hard nut to produce successfully at VHF. The Collins Radio Institute has pioneered the glass mount, but there are few design programs at 90MHz. Because the mounting assemblies are small, REVCO's version is a real winner. The UK's first Catalogue On glass has led to the production of superior quality HF and UHF models. Here are a few facts which you should know.

Coupling efficiency apart from the antenna is a very important factor to the outside world, you don't want to make a RF field around the antenna. No heat for vehicle electronic systems, and no way for ground fasteners to enter.

REVCO glass mounts are finished with a fine surface finish.

Sticking power is provided if the user so wishes. A good alternative to REVCO spray on. Should you change your mind, the adhesive is removable.

Simplicity: Some of the components are a real piece of brain compared to the REVCO has 2 pre assembled parts made and mounted, that could be simpler!

Weather resistance: REVCO can handle all weather conditions, multiple glass mounts can be used to mount multiple antennas.

To place the product with silicone rubber to the mast out.

The REVCO glass mounts do cost a little more, which reflects these superior features.



REVCO also make a full range of mobile antennas for frequencies from 2.7MHz to 950MHz, and new products are constantly under development. Contact your local Dealer or in case of difficulty write, phone or fax. Trade enquiries welcome.

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