RC3KD TriKit

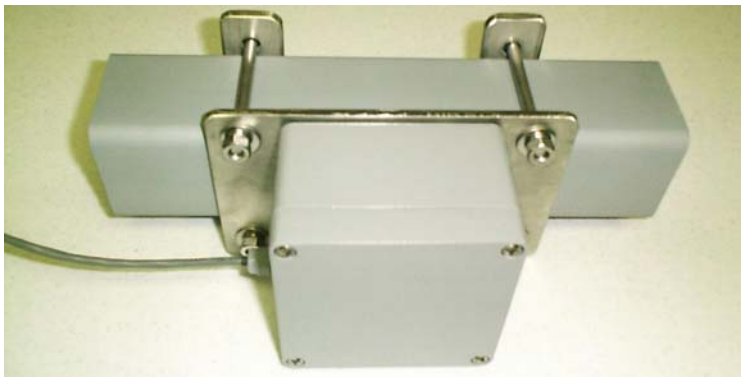
RC3000D To ANDREW Trifold® Interface Kit

The RC3KD TriKit provides all hardware and cabling required to interface a RC3000D mobile antenna controller to an ANDREW 3.7/4.5 transportable (Trifold®) antenna system.

FEATURES

Inclinometer Assembly

The RC3000D uses an electronic clinometer (inclinometer) to sense the true elevation of the mount's reflector. This inclinometer must be placed on the antenna system so that it rotates as the elevation axis rotates. The RC3KDTriKit packages the inclinometer in a weatherproof housing (shown below) and provides plates and bolts to attach the housing to a structural member of the ANDREW positioner assembly.



Drive and Resolver Cables

The RC3KDTriKit provides two cables with appropriate connectors to interface the RC3000D's drive and resolver connectors to the ANDREW VS-1 motor controller's connectors.

VS-1 Resolver Ground Modification

For VS-1 motor controllers manufactured before September 2000, a simple wiring modification must be made inside the VS-1 to minimize the amount of noise generated on the resolver interface. The RC3KDTriKit provides the required hardware to make this simple modification.

Cable Length

When ordering, the integrator should specify the length of cable (200 ft. maximum) needed between the VS-1 AIU and the RC3000D. The inclinometer cable will contain an additional 25 ft. to the specified length in order to route this cable along the mount's structure to the point that the VS-1 is attached.

Mount Requirements

The RC3KDTriKit requires the presence of the following ANDREW antenna system options:

- *Model AP positioner (mount) mechanism*
- *MKAPVS1 motorization kit*
- *REMKAP-VS1-100 2 pole resolver kit*

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