Array Solutions TwoPAK User Manual

Description
The Array Solutions TwoPAK is a 1->150 MHz stand alone high power, high isolation two position antenna switch. It comes enclosed in a heavy duty die-cast Aluminum box approximately 4x3x2 inches in dimension. It has a three SO-239 connectors (N-type optional), and a Galvanized U-Bolt for remote mounting at your antenna location. The TwoPak has >80 dB of isolation between ports, and will handle 5KW CW/RTTY/SSB with negligible insertion loss and a very low VSWR. The TwoPak receives it's A/B control voltage over an external DC control cable for the remote switch.

The "2-Pak" can be used to switch between two antennas or between two radios going into an amplifier – or any other application where you need to switch 2 RF connections to one other connection. For switching two radios into one amplifier, optional PTT relay switching is available.

Specifications
Frequency Range: 1 -> 150 MHz
Power Handling: 1.5KW SSB/CW/RTTY nominal (5 kW max)
A/B Isolation: 80 dB minimum
Control voltage: 0V = Antenna (Radio) A, +13.8VDC = Antenna (Radio) B

Installation and Control
Mount the weatherproof RF switch in any convenient location. The TwoPAK will need a switched 12VDC input. The remote TwoPAK RF Switch will default to ANTENNA (Radio) A when no DC is applied. Applying +12VDC will cause the relay to switch to ANTENNA (Radio) B.

For the A/B control switch, you may wish to build your own switch assembly. Any SPST toggle switch will do.