

Expository Statement

Equipment Name: Vantage Pro 2 Repeater

Model Number: 7653, 7654

7653 is the AC powered version
7654 is the solar powered version.

Description: The 7654 is a repeater for use with the Vantage Pro 2 system. It transmits/receives information every 2.5 seconds using Frequency Hopping Spread Spectrum technology with Frequency Shift Keying the carrier at 19200 baud rate. It hops it though 51 channels using a pseudo-random hop table though the 902-928 MHz band. It can repeater up to 8 different Vantage Pro 2 station. These stations are selected though a series of DIP switches that the user selects once. The unit can be either solar powered with a battery back up or powered through a 5 volt DC wall adapter with battery back up.

Circuitry: The 7654 and 7653 contains 1 circuit boards, this circuit board is housed in a plastic enclosure that measures 8 x 6 x 3 inches.

Antenna: The antenna can be either a Yagi with a gain of 11 dBi or a Omni with a gain of 5 dBi this connects to the PCBa via a Reverse TNC connector.

Model Number: 7626, 7627
7626 is the AC powered version
7627 is the solar powered version

Description: The 7626 is a repeater for use with the Vantage Pro 2 system. It transmits/receives information every 2.5 seconds using Frequency Hopping Spread Spectrum technology with Frequency Shift Keying the carrier at 19200 baud rate. It hops it though 51 channels using a pseudo-random hop table though the 902-928 MHz band. It can repeater up to 8 different Vantage Pro 2 station. These stations are selected though a series of DIP switches that the user selects once. The unit can be either solar powered with a battery back up or powered through a 5 volt DC wall adapter with battery back up.

Circuitry: The 7626 and 7626 contains 1 circuit boards, this circuit board is housed in a plastic enclosure that measures 8 x 6 x 3 inches.

Antenna: The antenna is a 5 inch Dipole that is integrated to the PCBa