

Operational Description:

The TC100-200 transmitter is a hand held remote control transmitter used in conjunction with a separate receiver to control the movement of various types of heavy equipment. It uses dual control with a microprocessor that converts the input data to commands with the address and CRC code. A second microprocessor performs a security check and controls the main processor. It is manually activated and automatically cuts off when released. Microprocessors use a 4.9 MHz crystal clock frequency. The VCO system uses a 12.8 MHz crystal to control the frequency through a standard multiplier/divider chain using a PLL. The signal from the PLL is phase modulated, amplified and filtered before transmission. The unit contains a separate voltage regulator to maintain a constant voltage to all components.